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This exhibit contains the measured data for this equipment as follows:

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6G-6 - 1 Watt, 161.9875 MHz

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6I-2 – 5.8 Watts, 12.5 kHz De-Key Decay Time
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6I-7 – 1 Watt, 25 kHz Key-Up Attack Time
6I-8 – 1 Watt, 25 kHz De-Key Decay Time

EXHIBIT 6A - RF Conducted Power Output Data

- Pursuant 47 CFR 2.1046(a), 2.1033(c)(6), 2.1033(c)(7) and 2.1033(c)(8)

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device.

At maximum output power setting, Frequency 136.0125 MHz:

RF Output Power:	5.790 Watts
DC Voltage:	7.500 Volts
DC Current:	1.562 Amperes
DC Input Power:	11.715 Watts

At minimum output power setting, Frequency 136.0125 MHz:

RF Output Power:	1.060 Watts
DC Voltage:	7.500 Volts
DC Current:	0.735 Amperes
DC Input Power:	5.513 Watts

At maximum output power setting, Frequency 149.0125 MHz:

RF Output Power:	5.760 Watts
DC Voltage:	7.500 Volts
DC Current:	1.526 Amperes
DC Input Power:	11.445 Watts

At minimum output power setting, Frequency 149.0125 MHz:

RF Output Power:	1.000 Watts
DC Voltage:	7.500 Volts
DC Current:	0.595 Amperes
DC Input Power:	4.463 Watts

At maximum output power setting, Frequency 161.9875 MHz:

RF Output Power:	5.780 Watts
DC Voltage:	7.500 Volts
DC Current:	1.631 Amperes
DC Input Power:	12.233 Watts

At minimum output power setting, Frequency 161.9875 MHz:

RF Output Power:	1.030 Watts
DC Voltage:	7.500 Volts
DC Current:	0.623 Amperes
DC Input Power:	4.673 Watts

EXHIBIT 6B – Transmit Audio Response - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

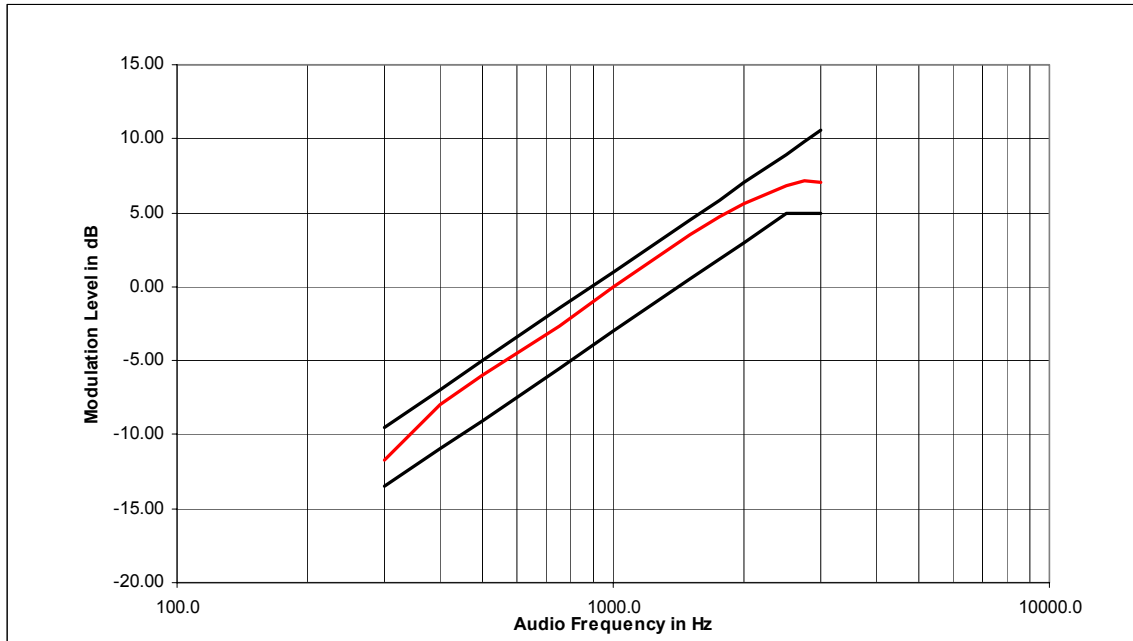


Figure 6B-1: 12.5 KHz Channel Spacing, Transmit Audio Response

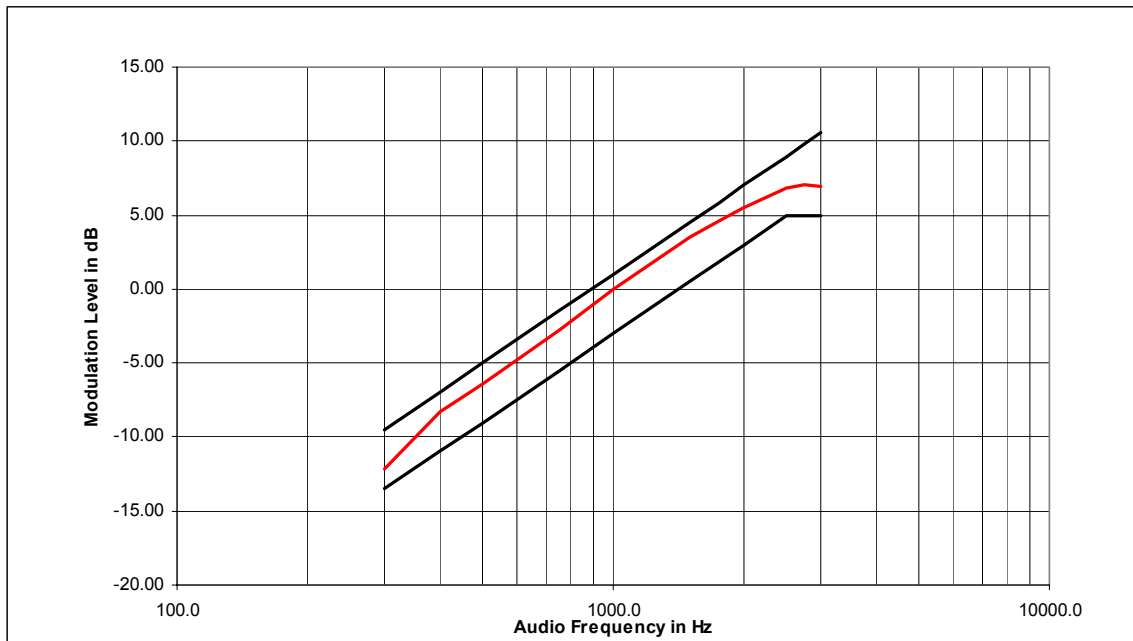


Figure 6B-2: 25 KHz Channel Spacing, Transmit Audio Response

EXHIBIT 6C – Transmit Audio Post Limiter Lowpass Filter Response

- Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

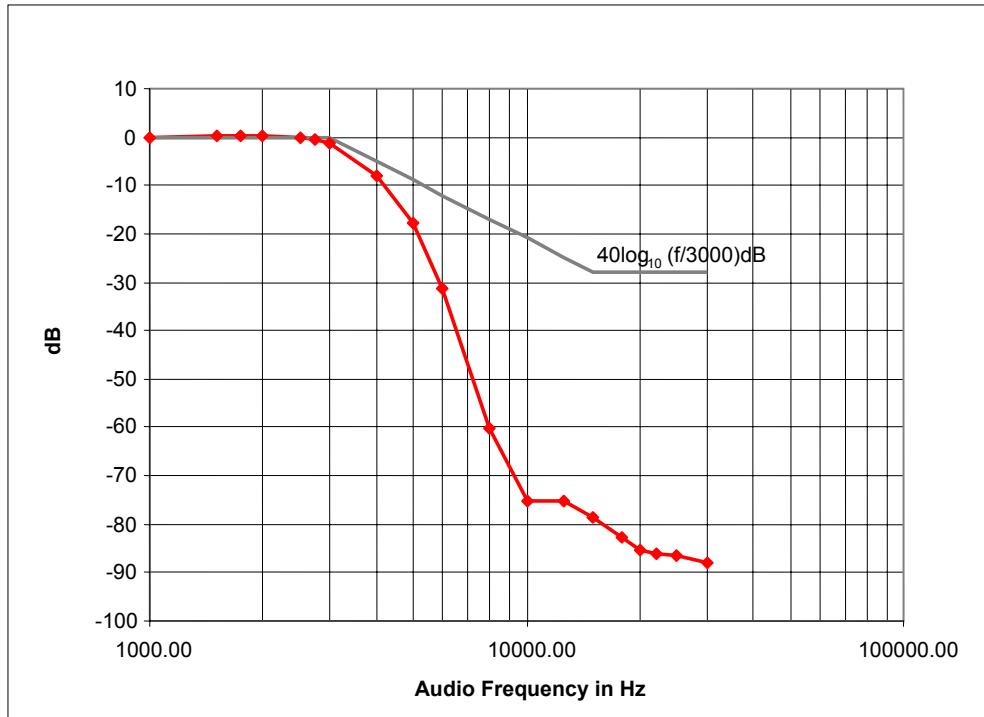


Figure 6C-1: 12.5 KHz Channel Spacing, Transmit Audio Post Limiter Lowpass Filter Response

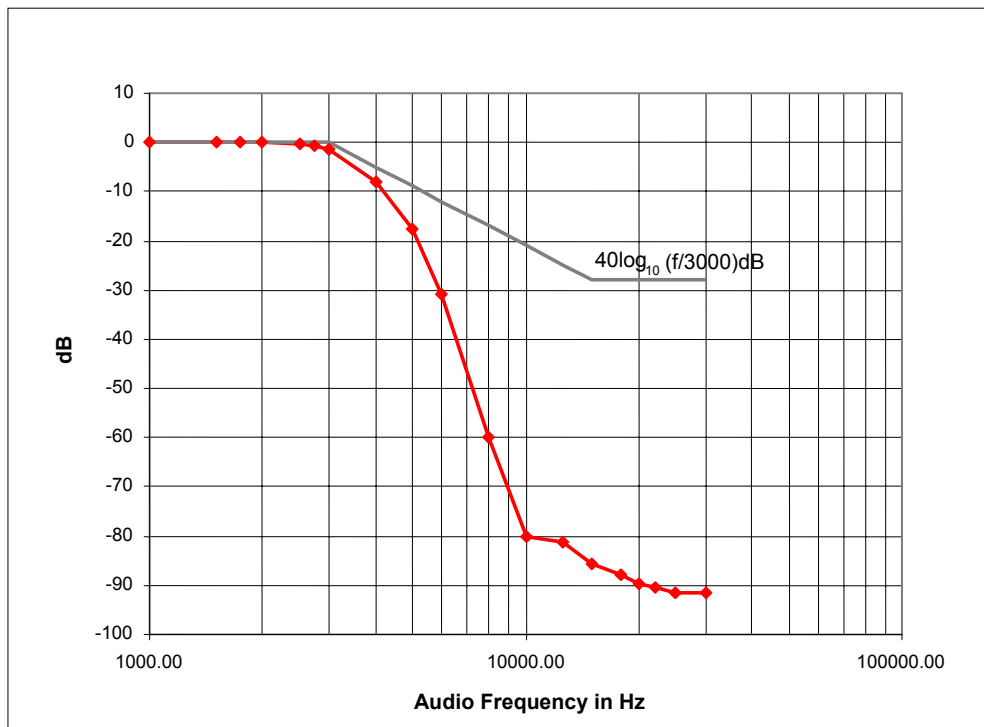


Figure 6C-2: 25 KHz Channel Spacing, Transmit Audio Post Limiter Lowpass Filter Response

EXHIBIT 6D – Modulation Limiting Characteristics

- Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

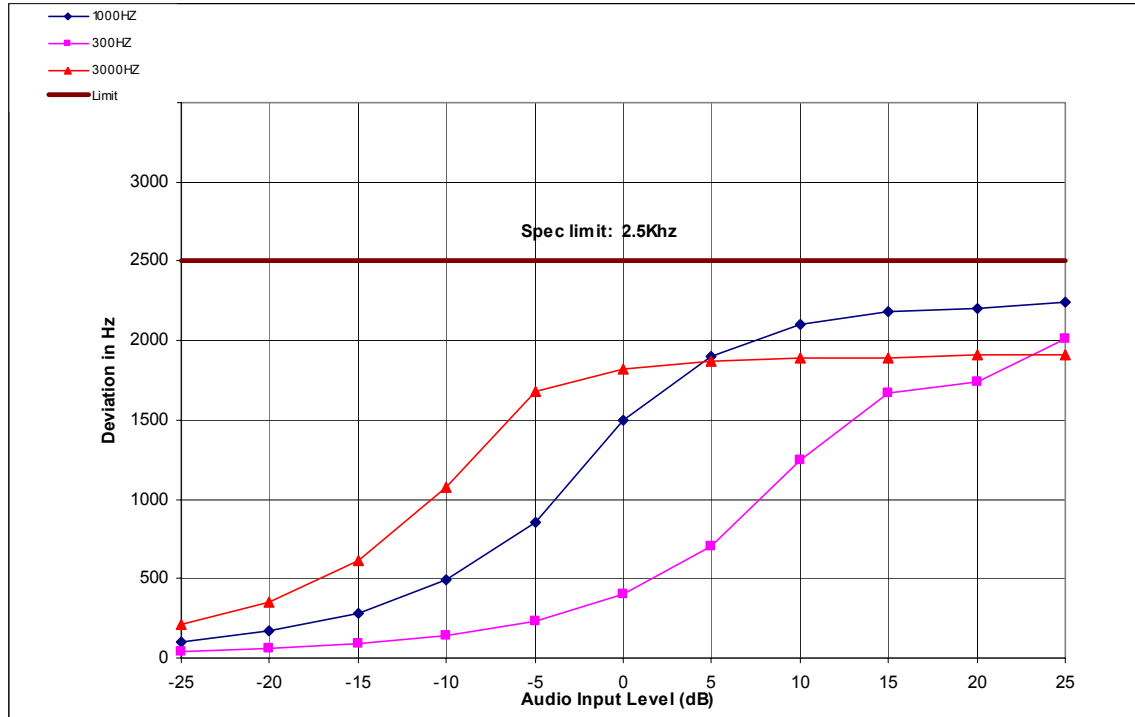


Figure 6D-1: 12.5 KHz Channel Spacing, Carrier Squelch Mode

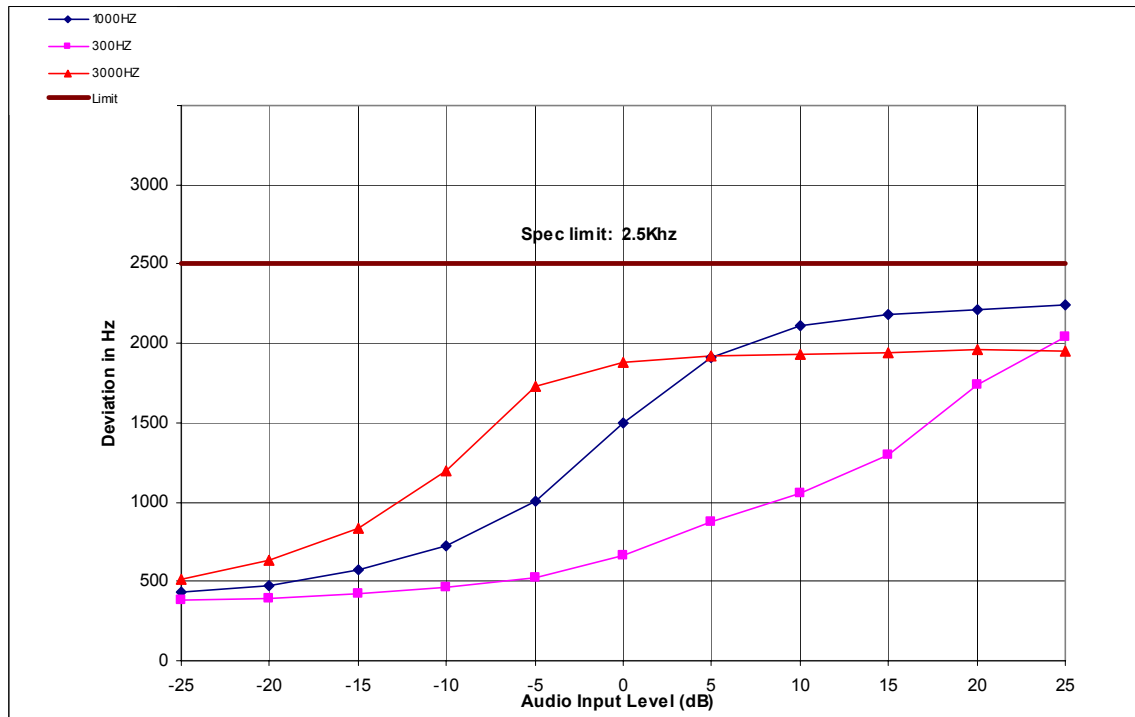


Figure 6D-2: 12.5 KHz Channel Spacing, Tone Private Line (TPL) Mode

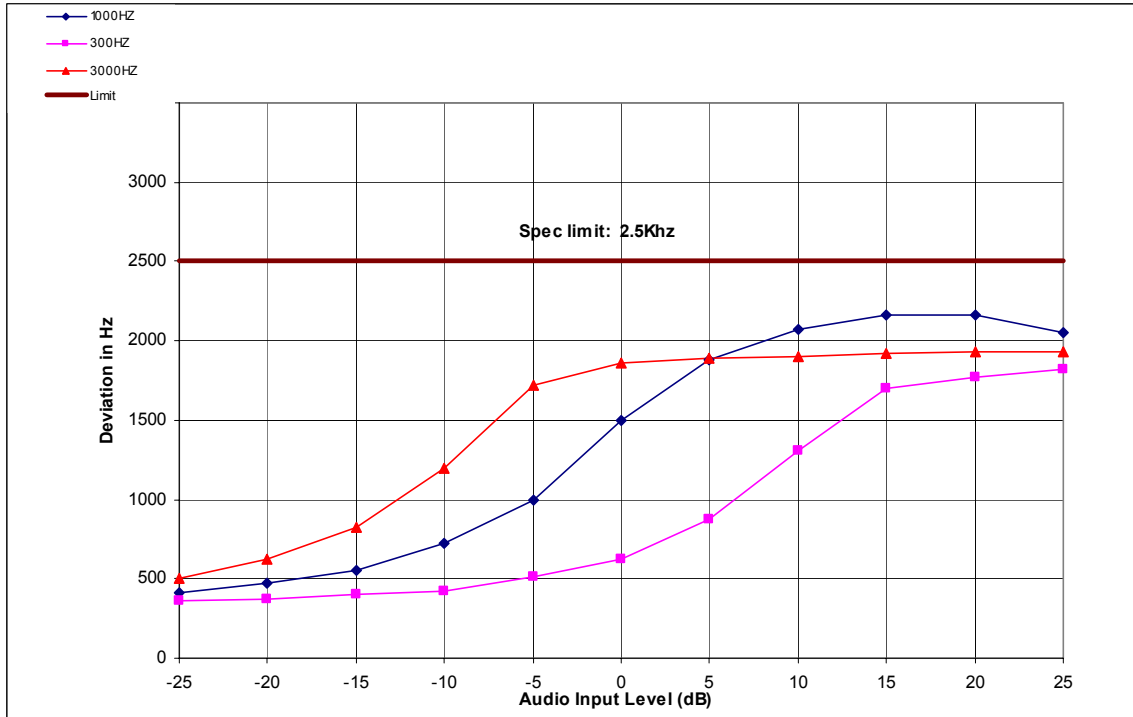


Figure 6D-3: 12.5 KHz Channel Spacing, Digital Private Line (DPL) Mode

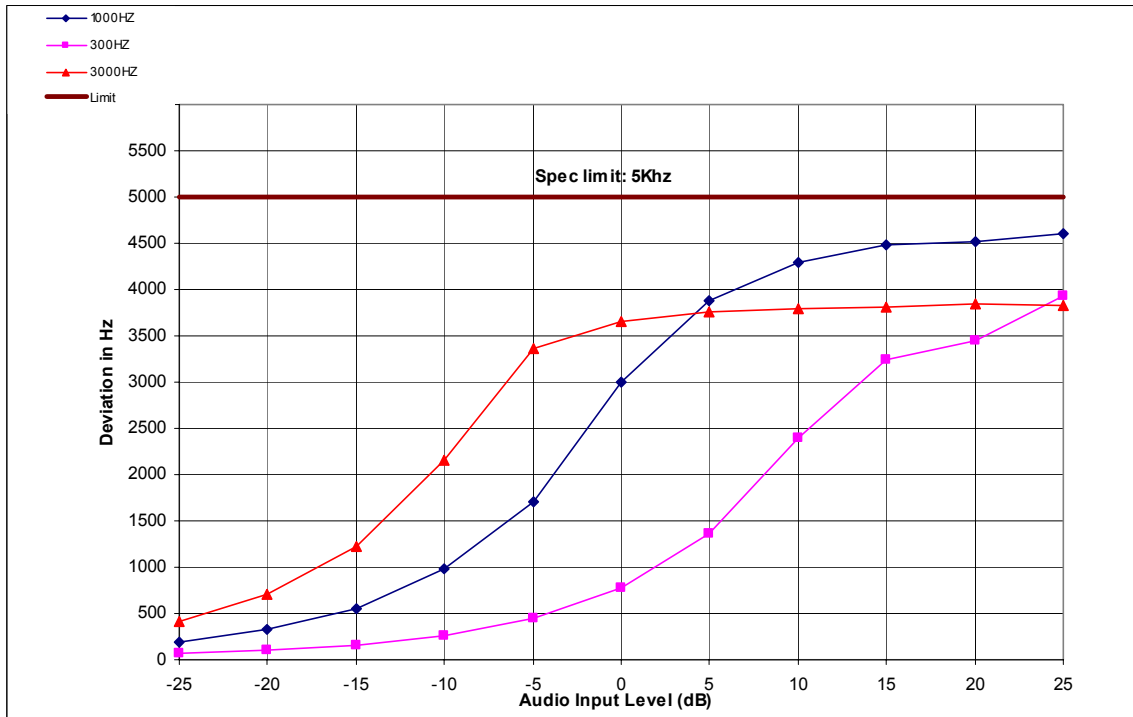


Figure 6D-4: 25 KHz Channel Spacing, Carrier Squelch Mode

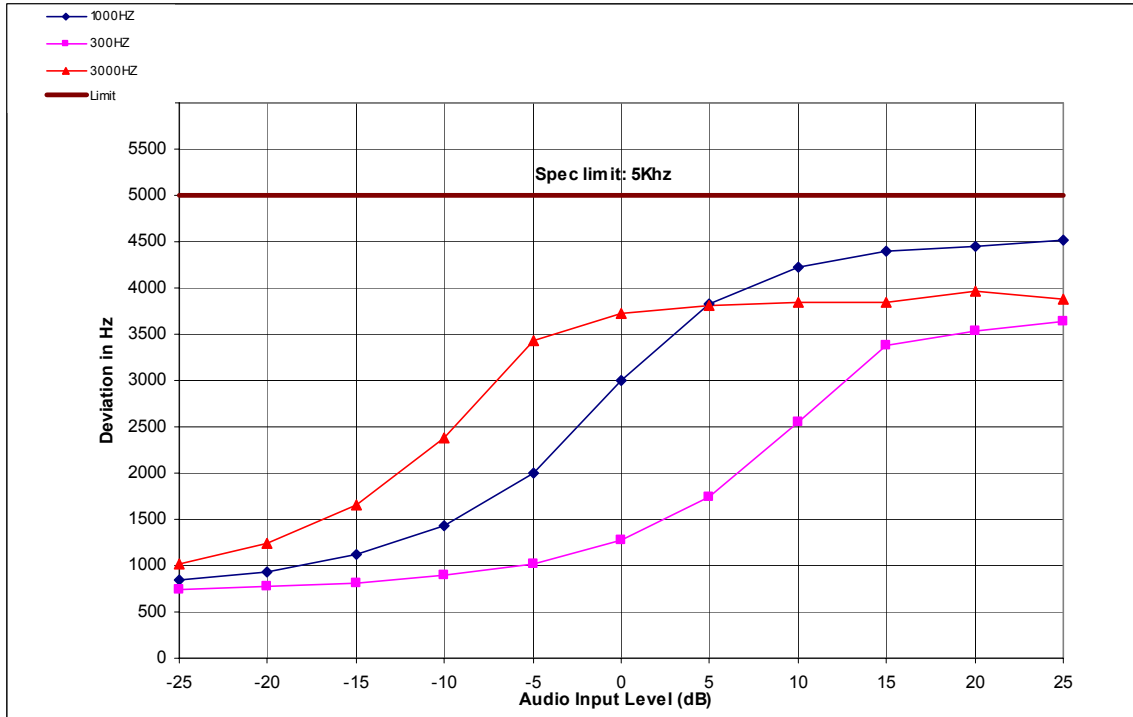


Figure 6D-5: 25 KHz Channel Spacing, Tone Private Line (TPL) Mode

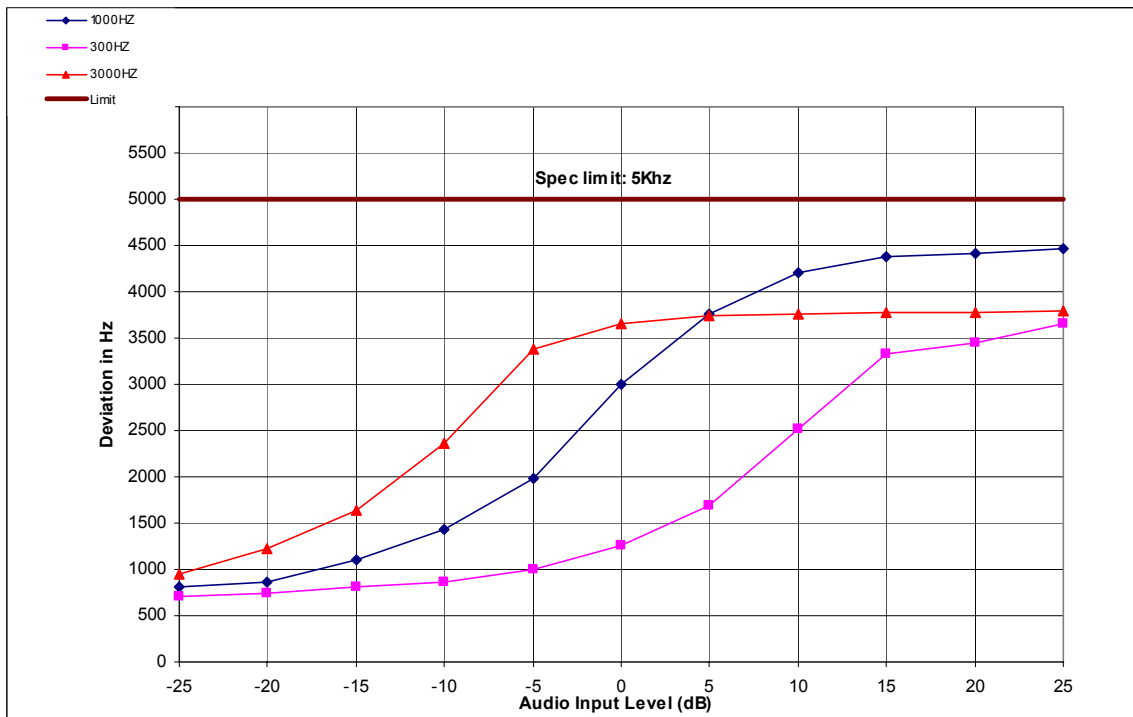


Figure 6D-6: 25 KHz Channel Spacing, Digital Private Line (DPL) Mode

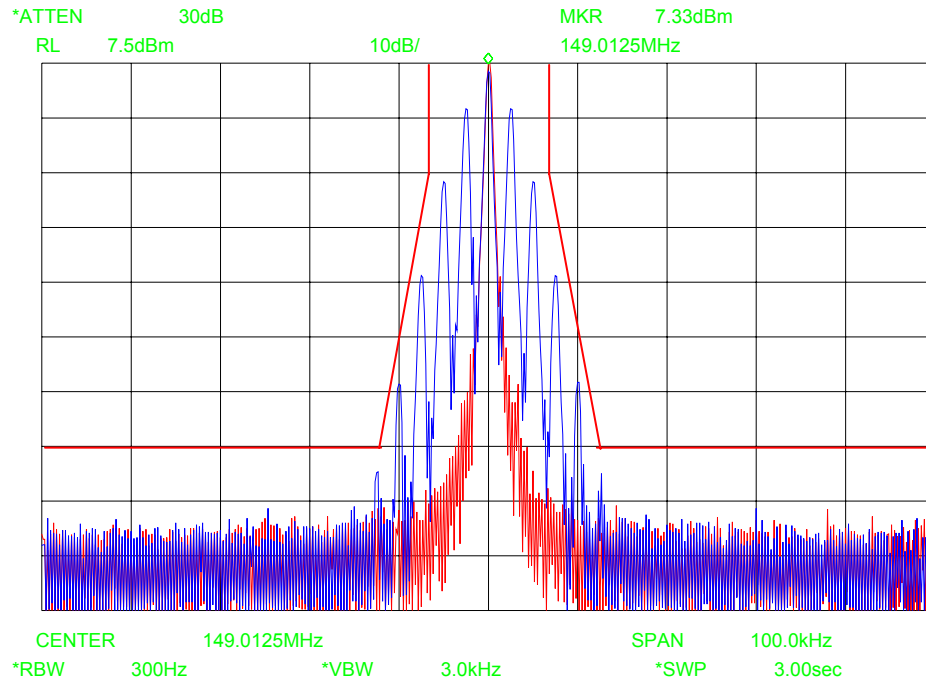
EXHIBIT 6E - Occupied Bandwidth Data - Pursuant 47 CFR 2.1049, 90.210(g) and 90.691

Figure 6E-1: 12.5 KHz Channel Spacing, 2500 Hz Audio Modulation Only, Mask D

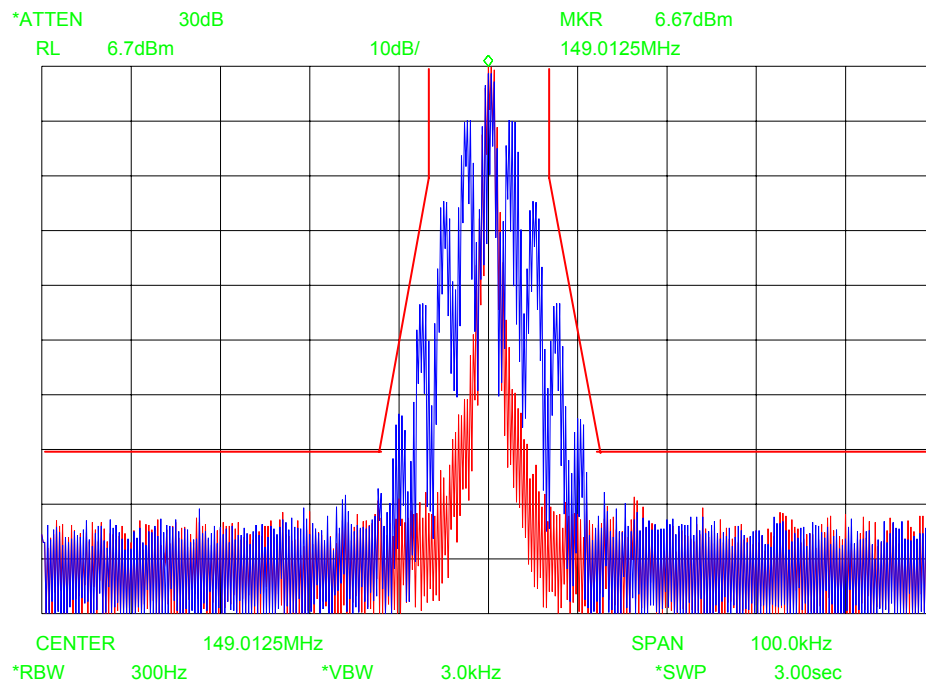


Figure 6E-2: 12.5 KHz Channel Spacing, 2500 Hz Audio and PL Tone Modulation, Mask D

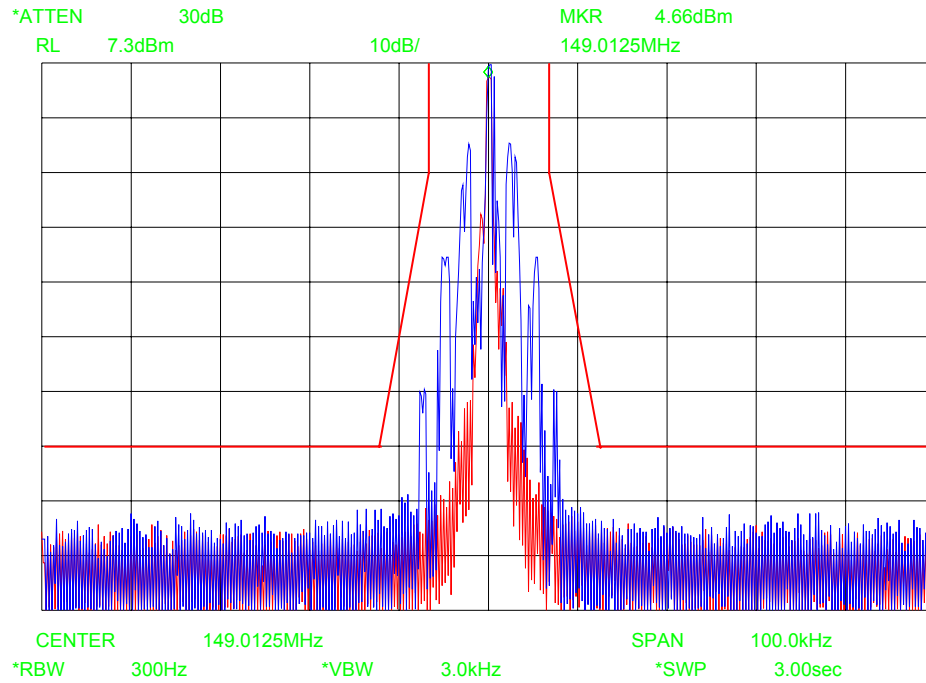


Figure 6E-3: 12.5 KHz Channel Spacing, 2500 Hz Audio and DPL Tone Modulation, Mask D

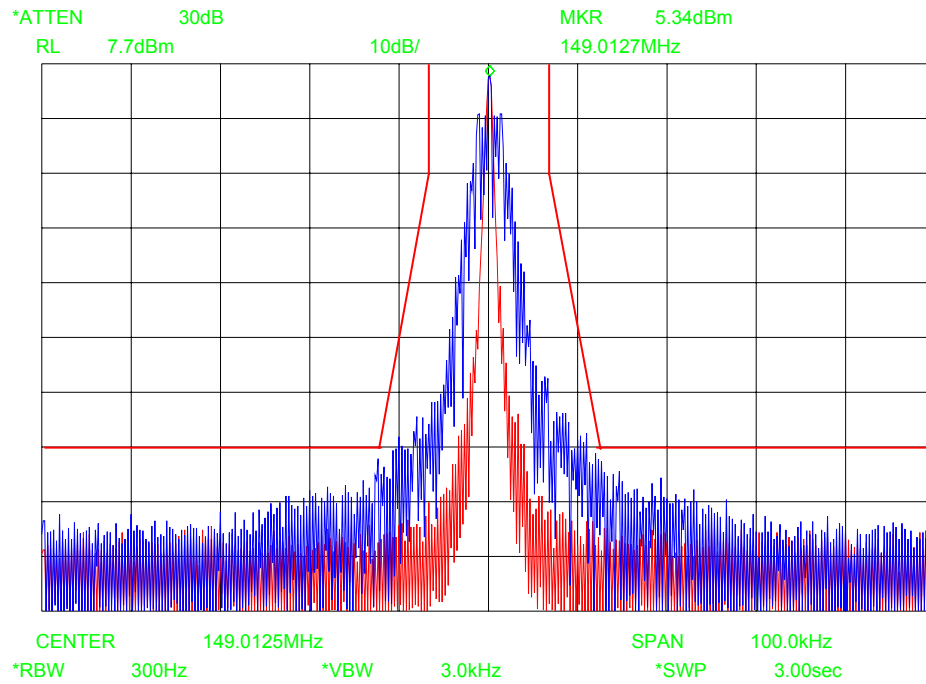


Figure 6E-4: 12.5 KHz Channel Spacing, DTMF Modulation Only, Mask D

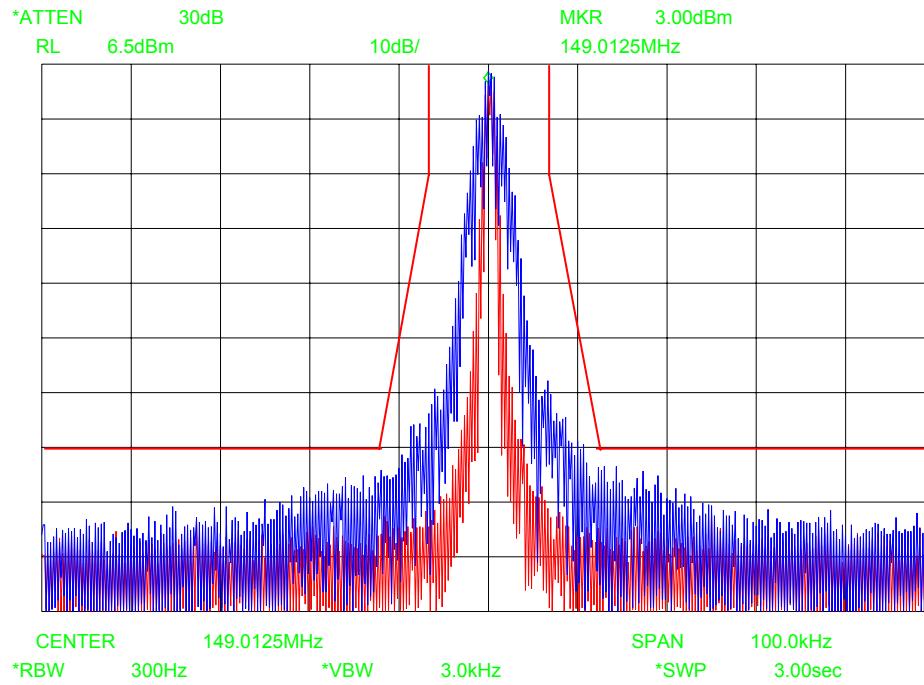


Figure 6E-5: 12.5 KHz Channel Spacing, DTMF Modulation and PL Tone Modulation, Mask D

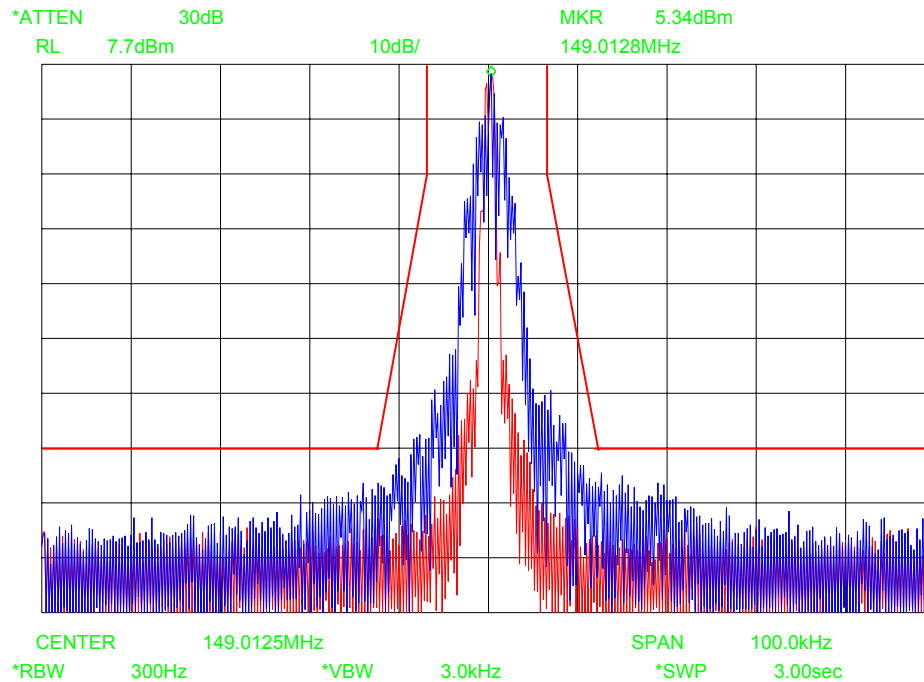


Figure 6E-6: 12.5 KHz Channel Spacing, DTMF Modulation and DPL Tone Modulation, Mask D

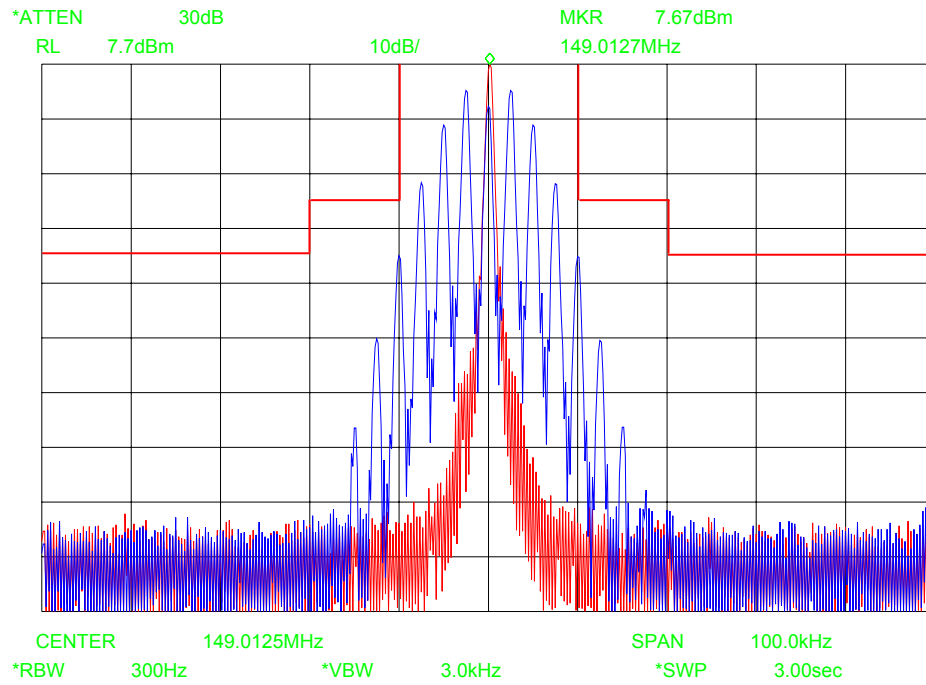


Figure 6E-7: 25 KHz Channel Spacing, 2500 Hz Audio Modulation Only, Mask B

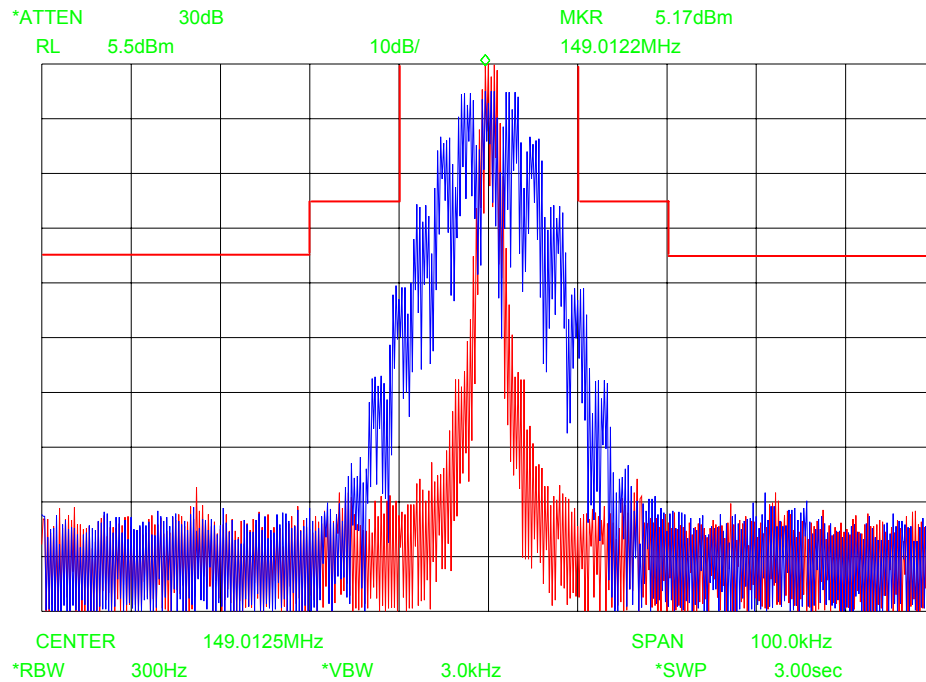


Figure 6E-8: 25 KHz Channel Spacing, 2500 Hz Audio and PL Tone Modulation, Mask B

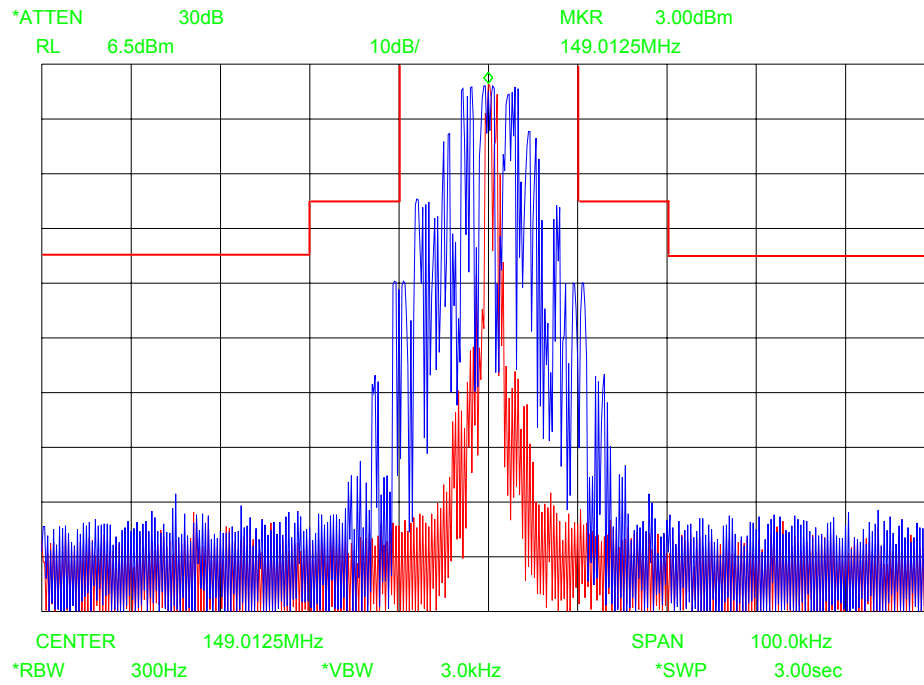


Figure 6E-9: 25 KHz Channel Spacing, 2500 Hz Audio and DPL Tone Modulation, Mask B

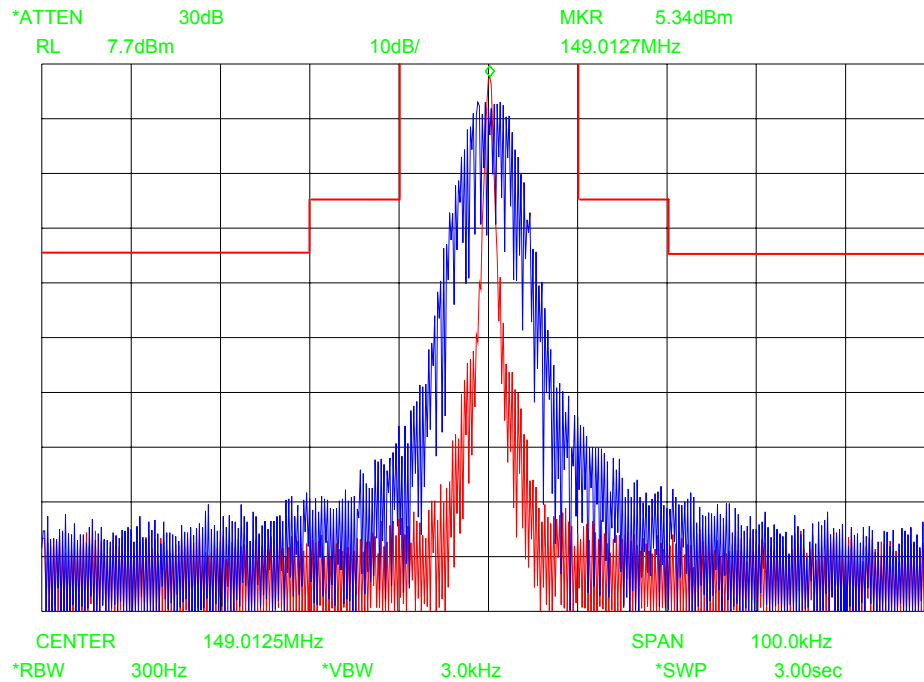


Figure 6E-10: 25 KHz Channel Spacing, DTMF Modulation Only, Mask B

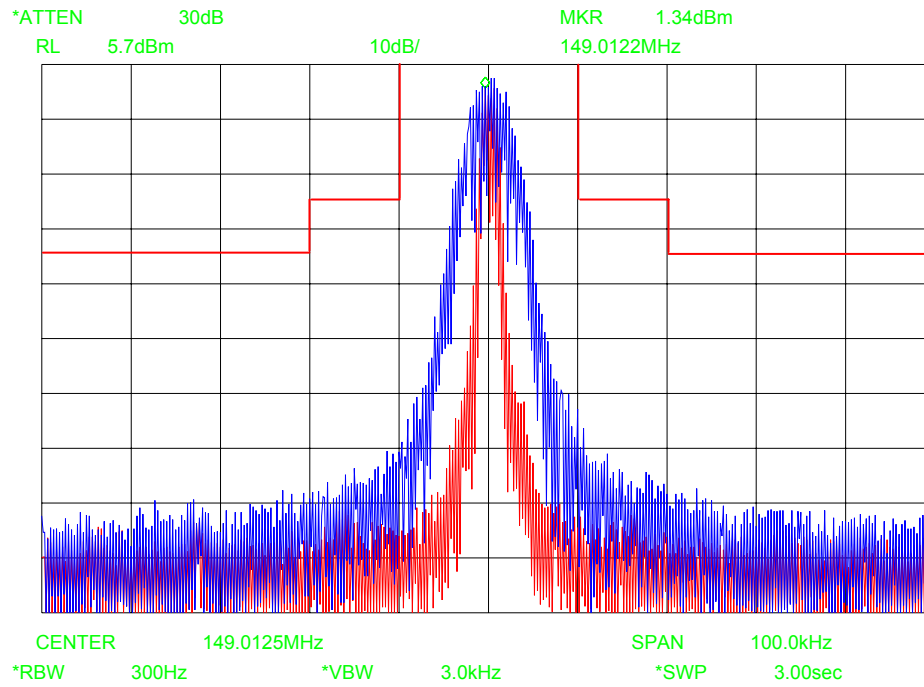


Figure 6E-11: 25 KHz Channel Spacing, DTMF Modulation and PL Tone Modulation, Mask B

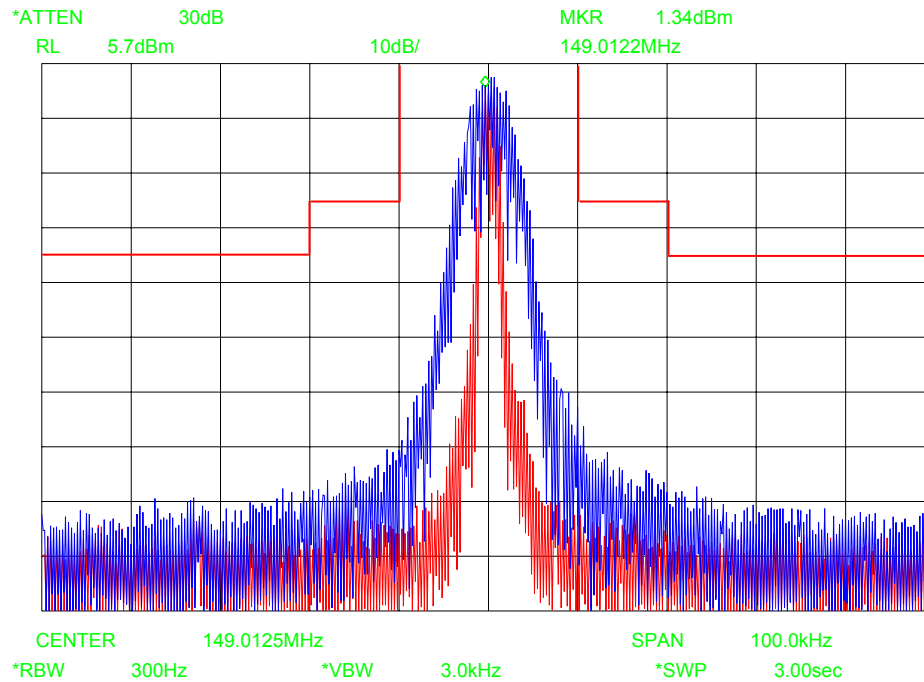
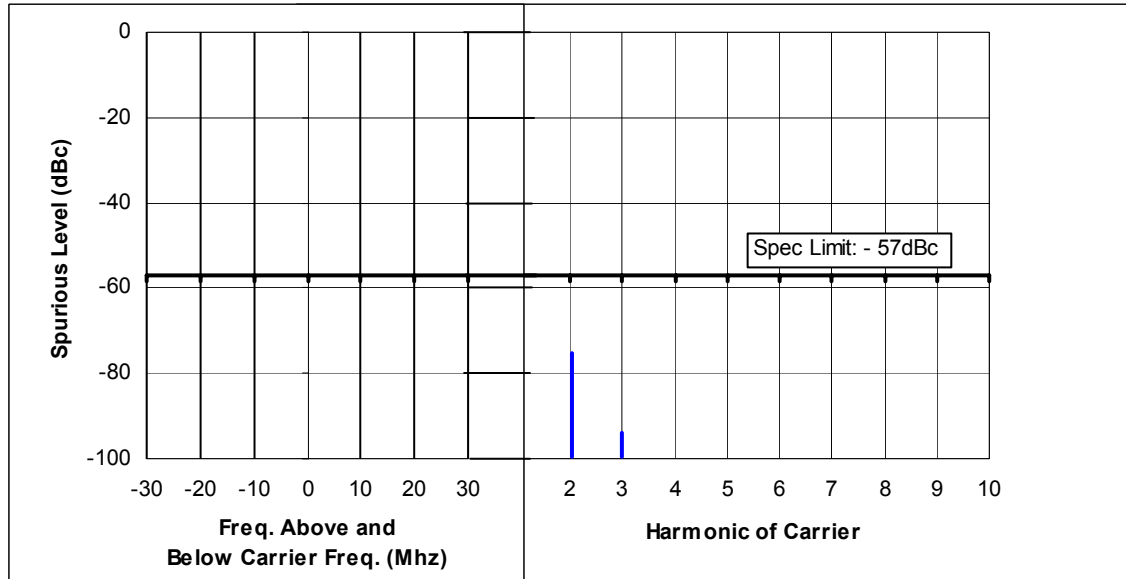
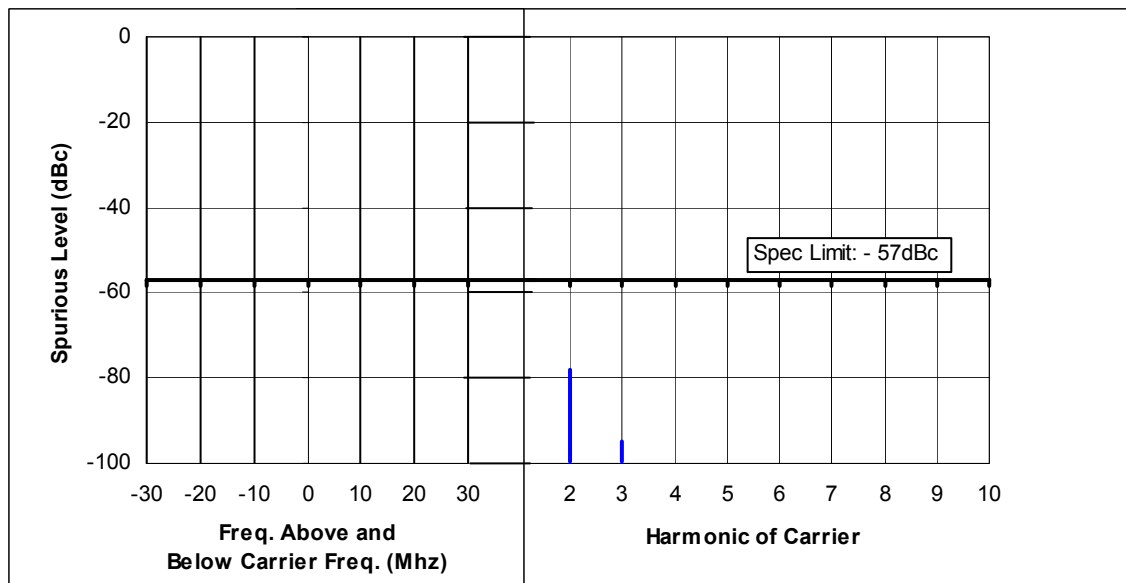


Figure 6E-12: 25 KHz Channel Spacing, DTMF Modulation and DPL Tone Modulation, Mask B

EXHIBIT 6F – Conducted Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

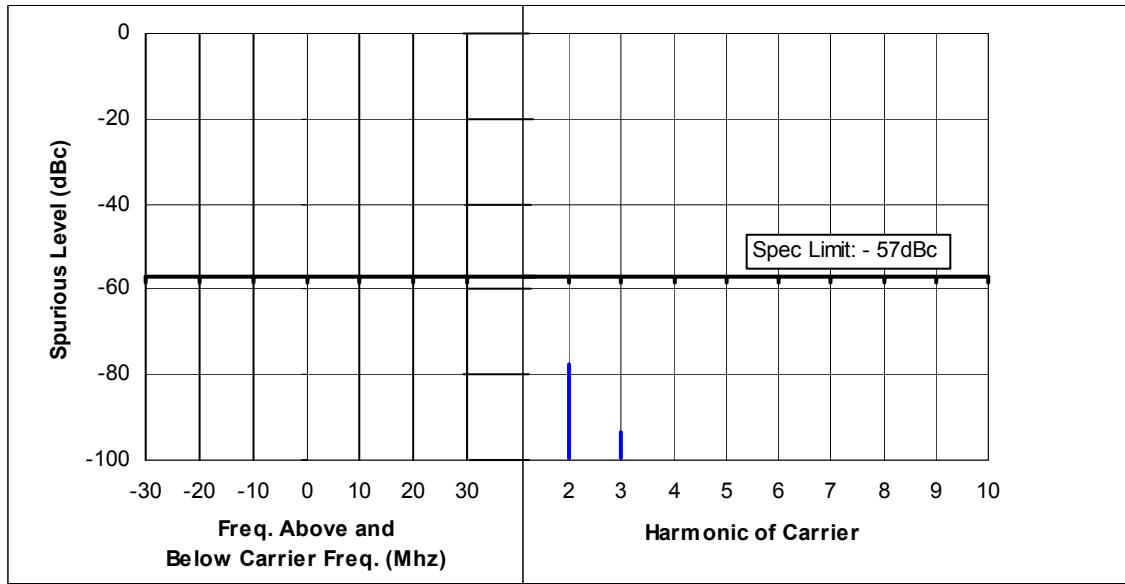
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-1: 5.8 Watts, 136.0125 MHz, 12.5 KHz Channel Spacing



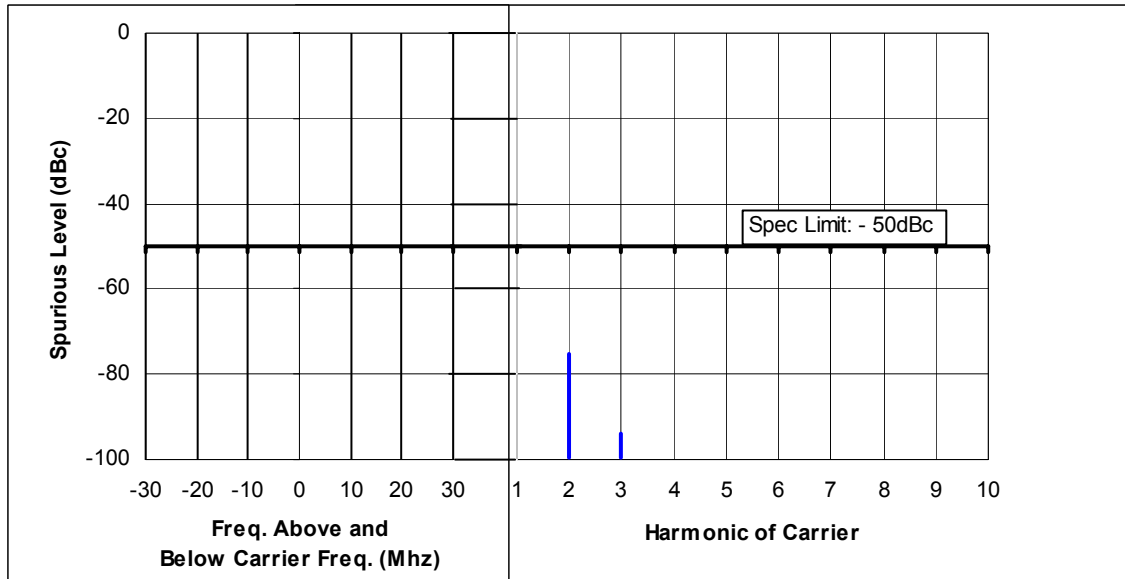
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-2: 5.8 Watts, 149.0125 MHz, 12.5 KHz Channel Spacing



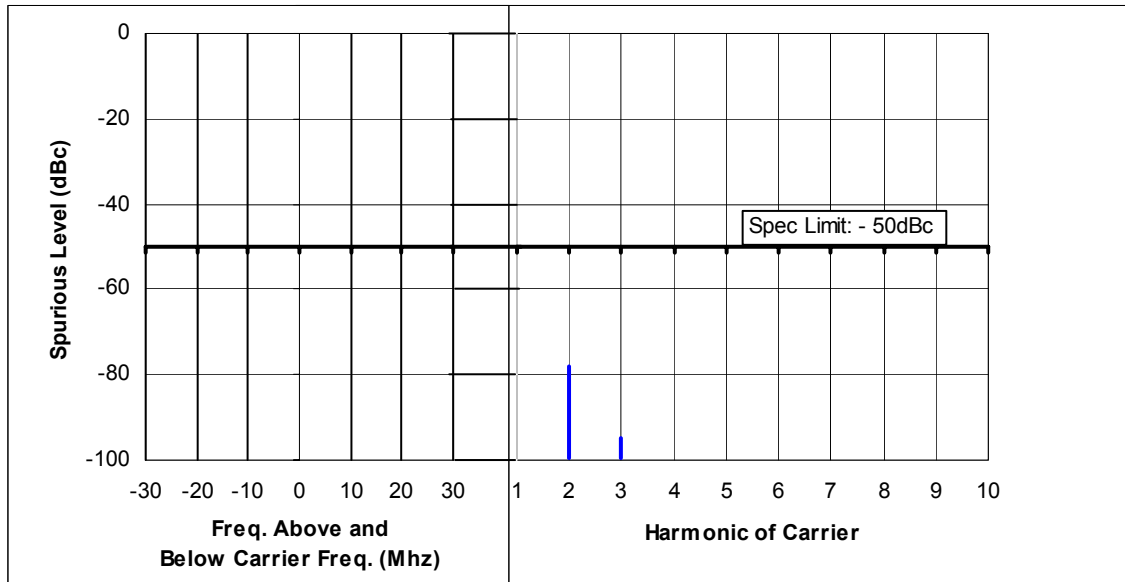
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-3: 5.8 Watts, 161.9875 MHz, 12.5 KHz Channel Spacing



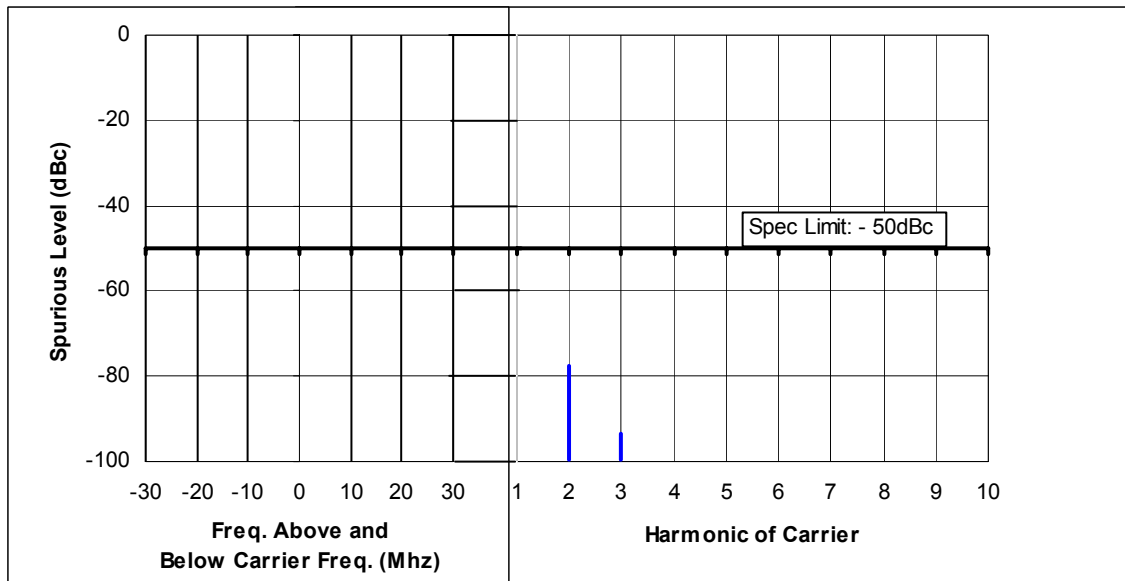
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-4: 5.8 Watts, 136.0125 MHz, 25 KHz Channel Spacing



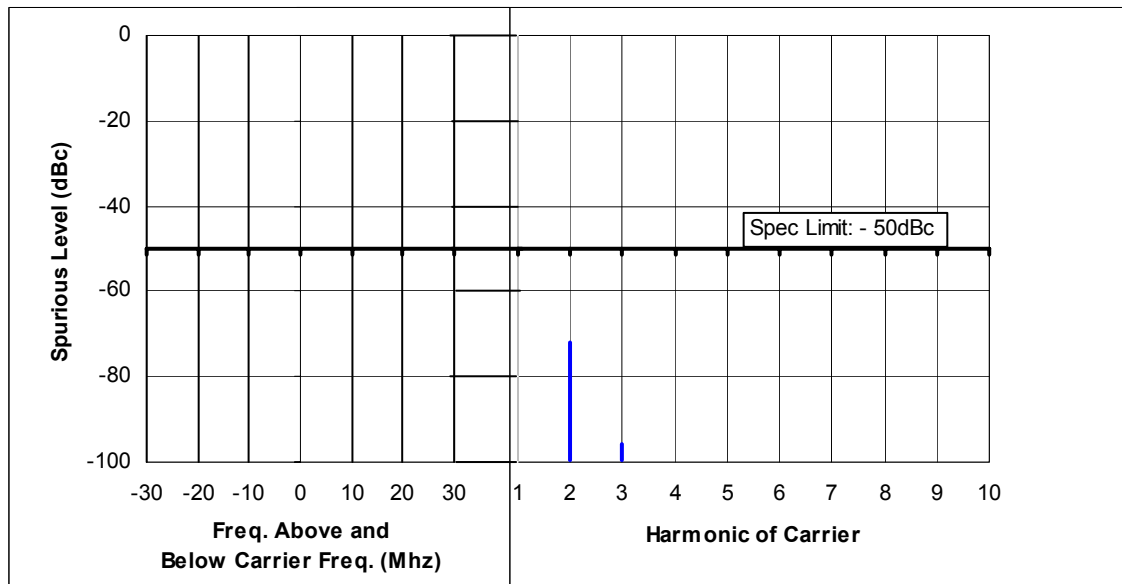
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-5: 5.8 Watts, 149.0125 MHz, 25 KHz Channel Spacing



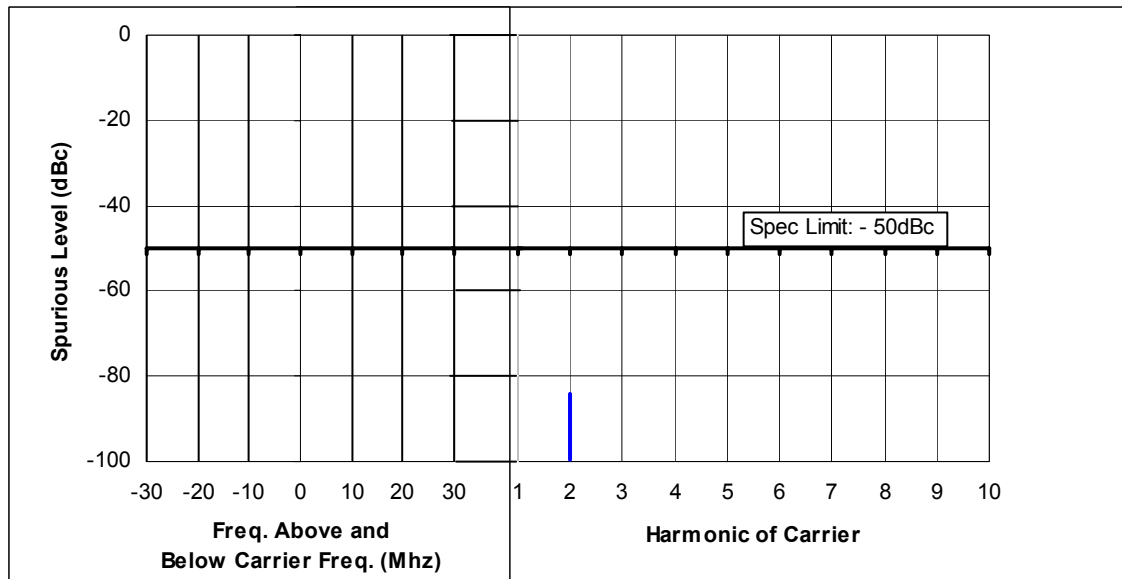
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-6: 5.8 Watts, 161.9875 MHz, 25 KHz Channel Spacing



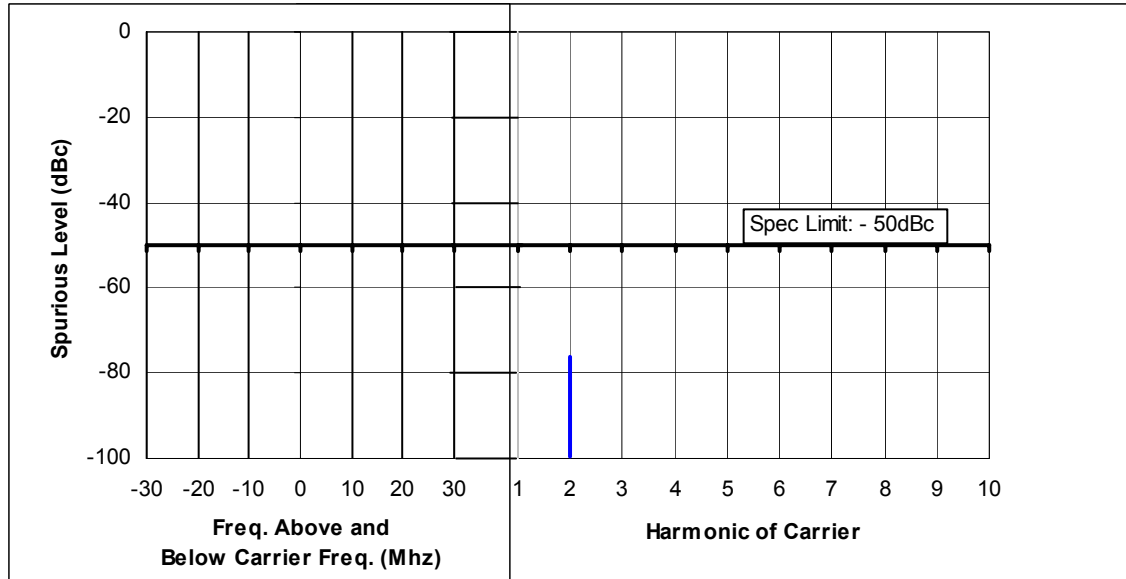
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-7: 1 Watt, 136.0125 MHz, 12.5 KHz Channel Spacing



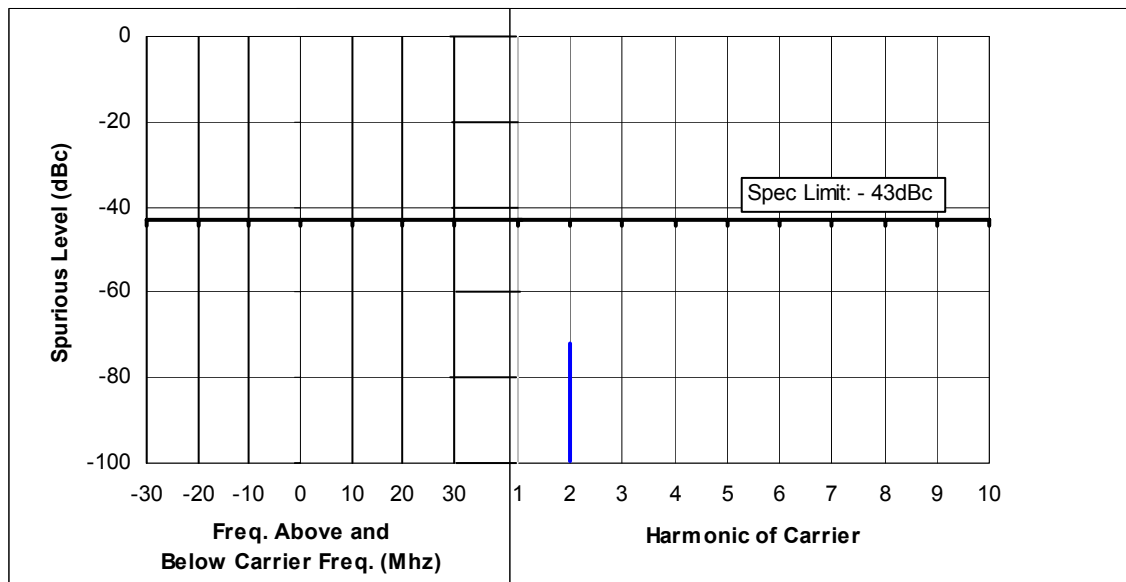
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-8: 1 Watt, 149.0125 MHz, 12.5 KHz Channel Spacing



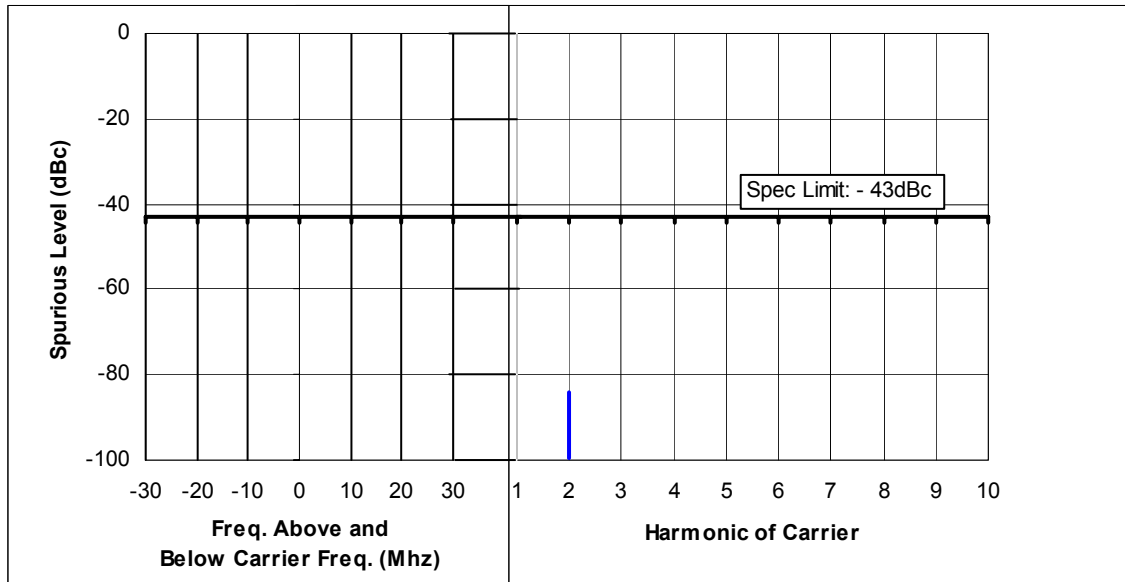
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-9: 1 Watt, 161.9875 MHz, 12.5 KHz Channel Spacing



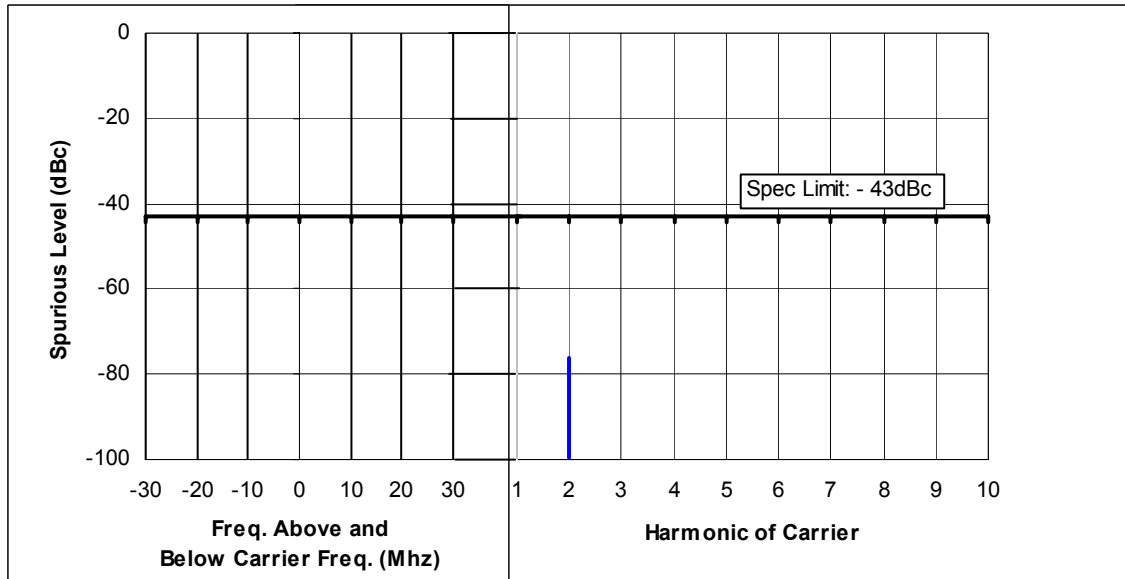
Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-10: 1 Watt, 136.0125 MHz, 25 KHz Channel Spacing



Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-11: 1 Watt, 149.0125 MHz, 25 KHz Channel Spacing



Note: Other emissions not reported were more than 50dB below the limit

Figure 6F-12: 1 Watt, 161.9875 MHz, 25 KHz Channel Spacing

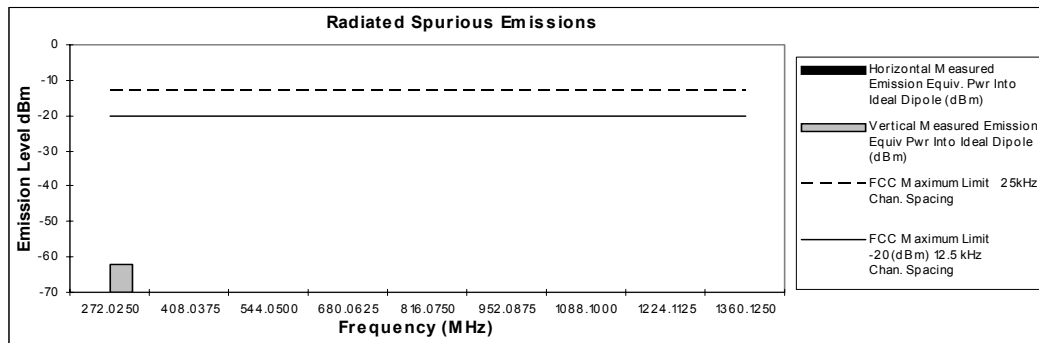
EXHIBIT 6G – Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

Notes: 1) The shown results are the worst case results for the given frequency. Measurements were made to the 10th harmonic, antenna polarization horizontal and vertical.

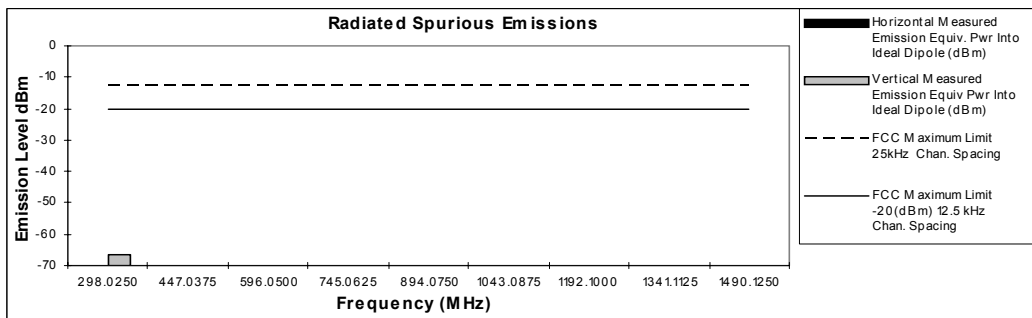
2) The margin [dB] is the amount in dB below the FCC specification limit of -13dBm (red line on graphs)

Transmitter Radiated Spurious Emissions: ELP

136.0125 MHz		5.8 Watts		Channel Spacing 25kHz S/N 018AAA0007	
Frequency (MHz)	FCC Maximum Limit 25kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr r Into Ideal Dipole (dBm)	
272.0250	-13	-20	-75.93	-61.97	
408.0375	-13	-20	-81.24	*	
544.0500	-13	-20	*	*	
680.0625	-13	-20	*	*	
816.0750	-13	-20	*	*	
952.0875	-13	-20	*	*	
1088.1000	-13	-20	*	*	
1224.1125	-13	-20	*	*	
1360.1250	-13	-20	*	*	

**Transmitter Radiated Spurious Emissions: ELP**

149.0125 MHz		5.8 Watts		Channel Spacing 25kHz S/N 018AAA0007	
Frequency (MHz)	FCC Maximum Limit 25kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr r Into Ideal Dipole (dBm)	
298.0250	-13	-20	-77.84	-66.69	
447.0375	-13	-20	-75.74	*	
596.0500	-13	-20	-78.66	*	
745.0625	-13	-20	*	*	
894.0750	-13	-20	*	*	
1043.0875	-13	-20	*	*	
1192.1000	-13	-20	*	*	
1341.1125	-13	-20	*	*	
1490.1250	-13	-20	*	*	

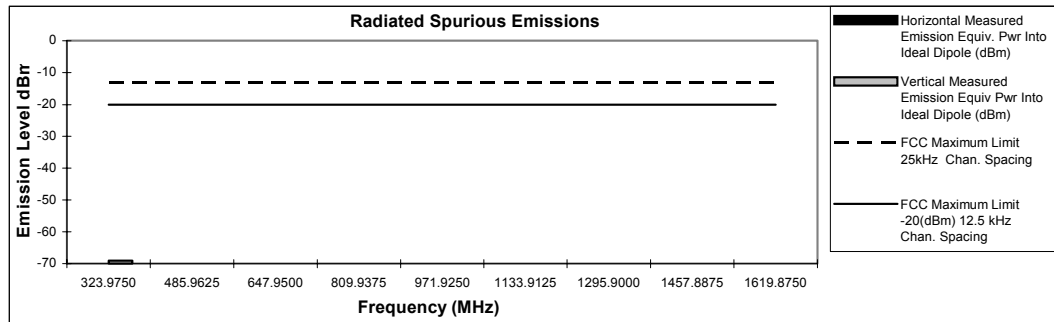


* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Transmitter Radiated Spurious Emissions: ELP**161.9875 MHz****5.8 Watts****Channel Spacing 25kHz | S/N 018AAA0007**

Frequency (MHz)	FCC Maximum Limit 25kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.9750	-13	-20	-75.76	-69.01
485.9625	-13	-20	*	*
647.9500	-13	-20	*	*
809.9375	-13	-20	*	*
971.9250	-13	-20	*	*
1133.9125	-13	-20	*	*
1295.9000	-13	-20	*	*
1457.8875	-13	-20	*	*
1619.8750	-13	-20	*	*



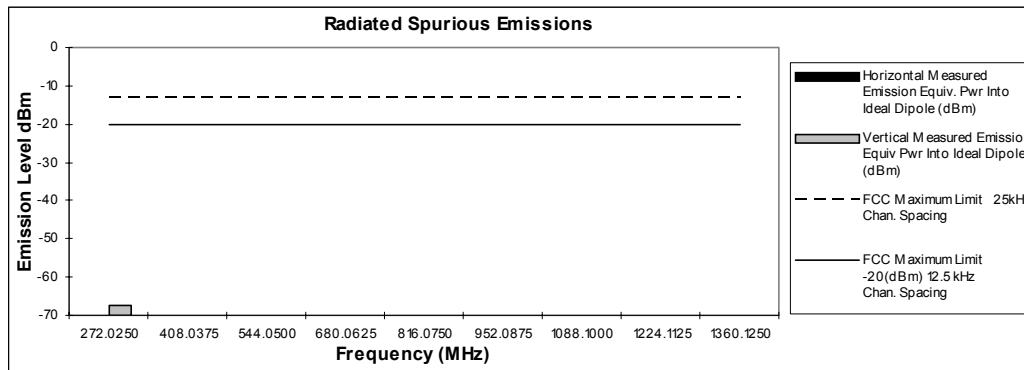
* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Figure 6G-5 – 1 Watts, 136.0125 MHz

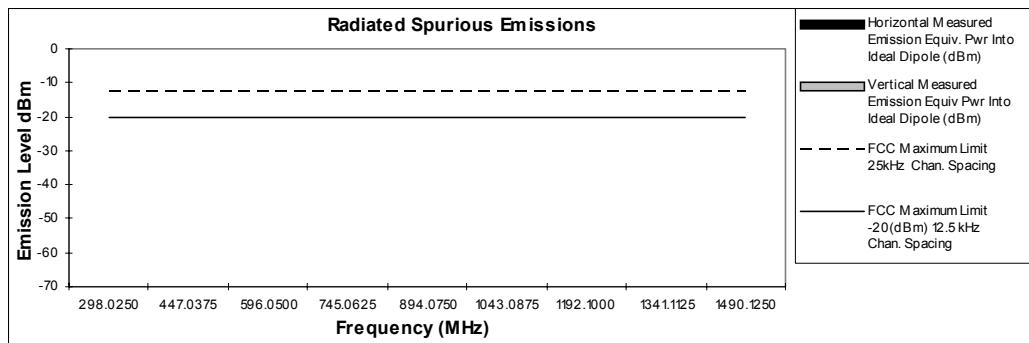
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Transmitter Radiated Spurious Emissions: ELP**136.0125 MHz****1 Watts****Channel Spacing 25kHz | S/N 018AAA0007**

Frequency (MHz)	FCC Maximum Limit 25kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr r Into Ideal Dipole (dBm)
272.0250	-13	-20	-78.64	-67.18
408.0375	-13	-20	-81.48	*
544.0500	-13	-20	*	*
680.0625	-13	-20	*	*
816.0750	-13	-20	*	*
952.0875	-13	-20	*	*
1088.1000	-13	-20	*	*
1224.1125	-13	-20	*	*
1360.1250	-13	-20	*	*

**Transmitter Radiated Spurious Emissions: ELP****149.0125 MHz****1 Watts****Channel Spacing 25kHz | S/N 018AAA0007**

Frequency (MHz)	FCC Maximum Limit 25kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr r Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr r Into Ideal Dipole (dBm)
298.0250	-13	-20	-78.10	-70.03
447.0375	-13	-20	-76.98	*
596.0500	-13	-20	*	*
745.0625	-13	-20	*	*
894.0750	-13	-20	*	*
1043.0875	-13	-20	*	*
1192.1000	-13	-20	*	*
1341.1125	-13	-20	*	*
1490.1250	-13	-20	*	*

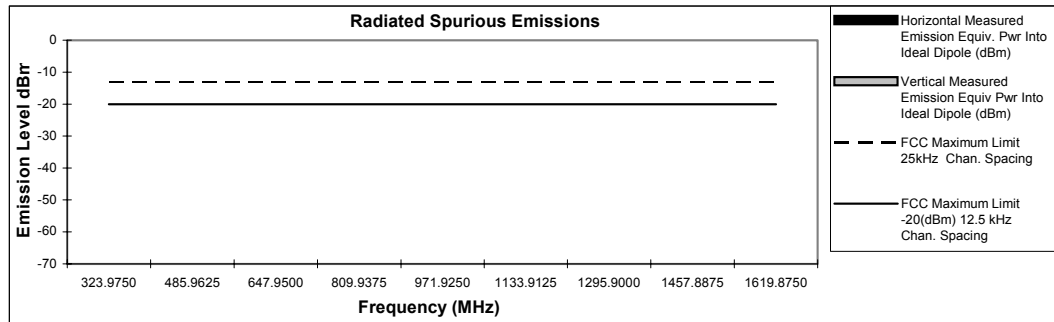


* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Transmitter Radiated Spurious Emissions: ELP**161.9875 MHz****1 Watts****Channel Spacing 25kHz | S/N 018AAA0007**

Frequency (MHz)	FCC Maximum Limit 25kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.9750	-13	-20	*	*
485.9625	-13	-20	*	*
647.9500	-13	-20	-75.42	*
809.9375	-13	-20	*	*
971.9250	-13	-20	*	*
1133.9125	-13	-20	*	*
1295.9000	-13	-20	*	*
1457.8875	-13	-20	*	*
1619.8750	-13	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Constantin Belean
FCC Registration: 91932 / Industry Canada: IC3679

June 1, 2004

EXHIBIT 6
SHEET 24 OF 29

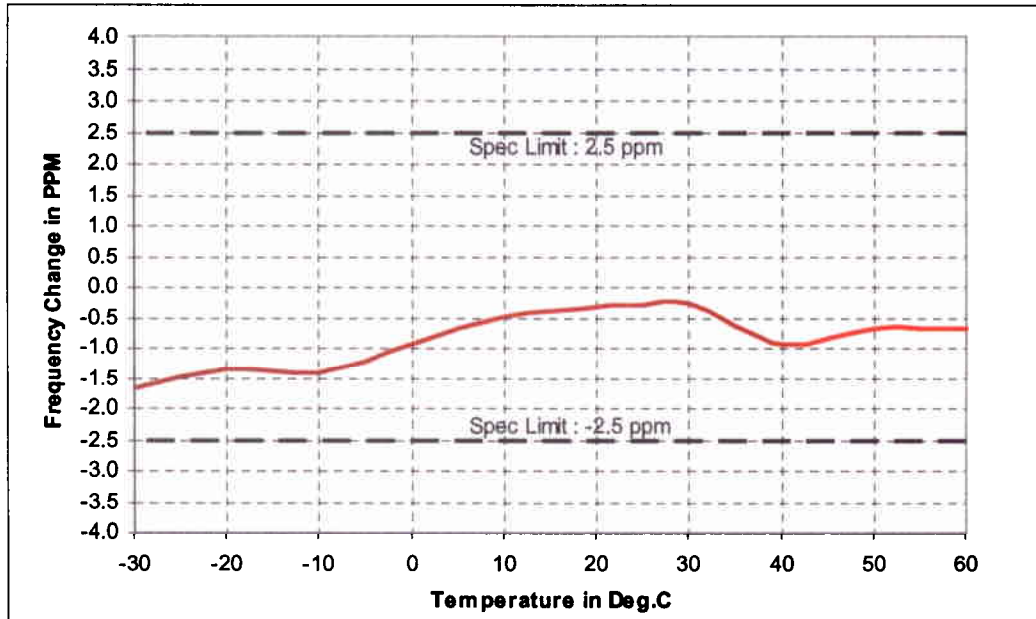
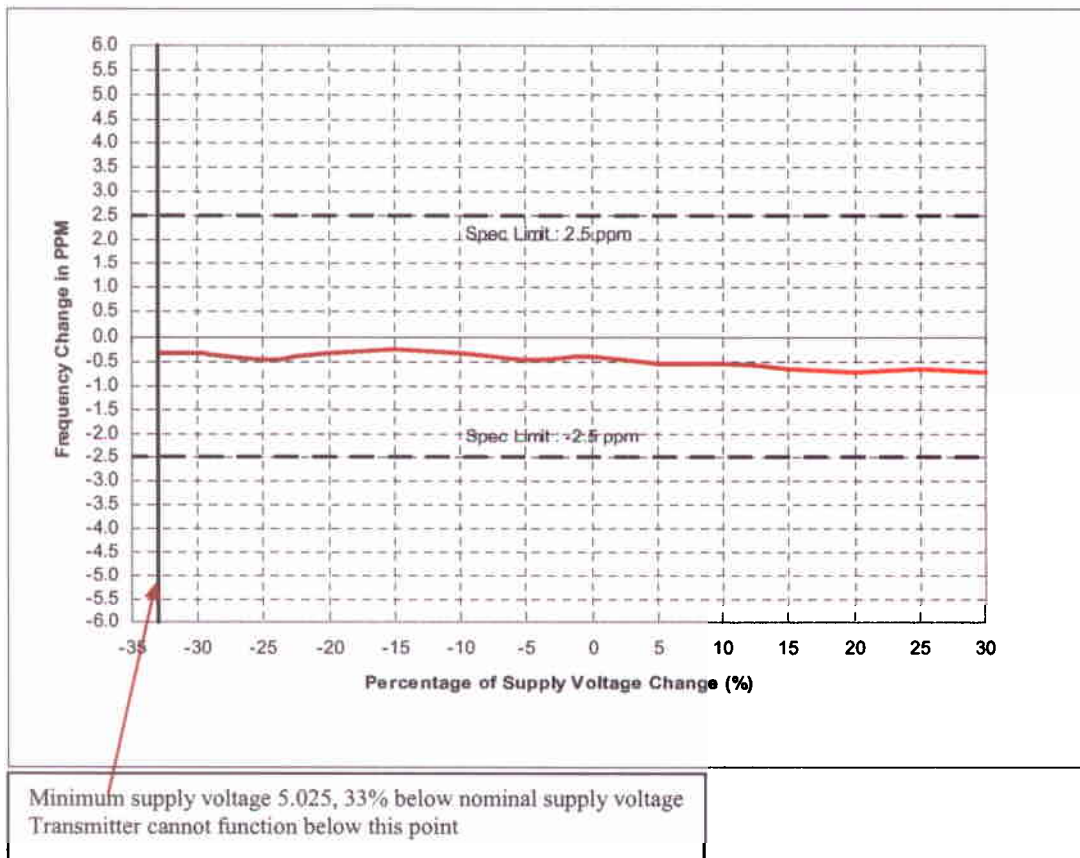
EXHIBIT 6H – Frequency Stability - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)**Figure 6H-1: Frequency Stability vs. Temperature****Figure 6H-2: Frequency Stability vs. Supply Voltage**

EXHIBIT 6I – Transient Frequency Behavior (FCC Rules Part 90.214)
Note: Measurement made at 149.0125 MHz

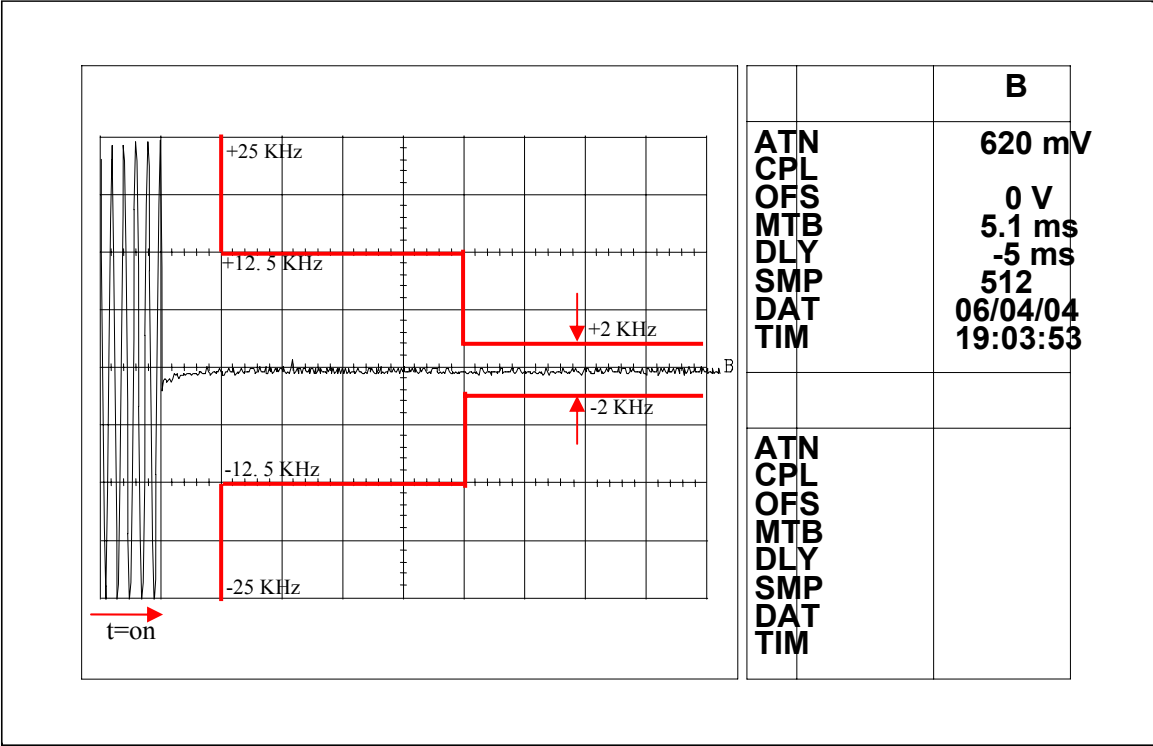


Figure 6I-1: 5.8 Watts, 12.5 KHz Key-Up Attack Time

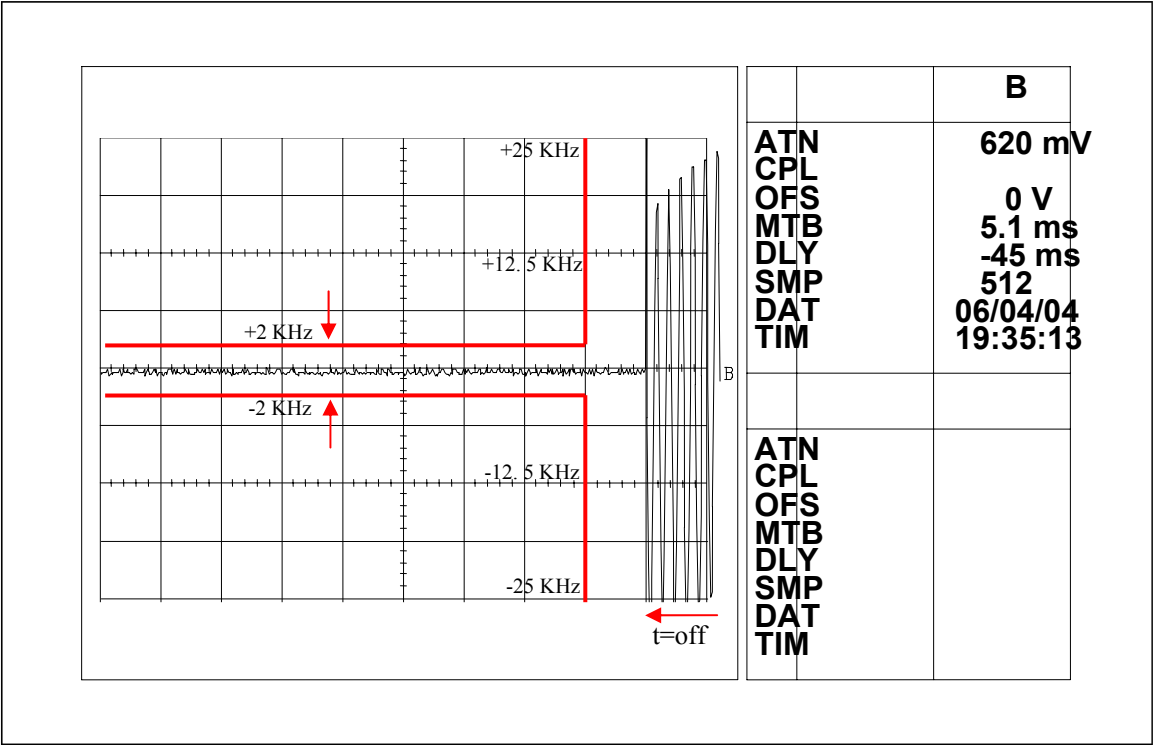


Figure 6I-2: 5.8 Watts, 12.5 KHz De-Key Decay Time

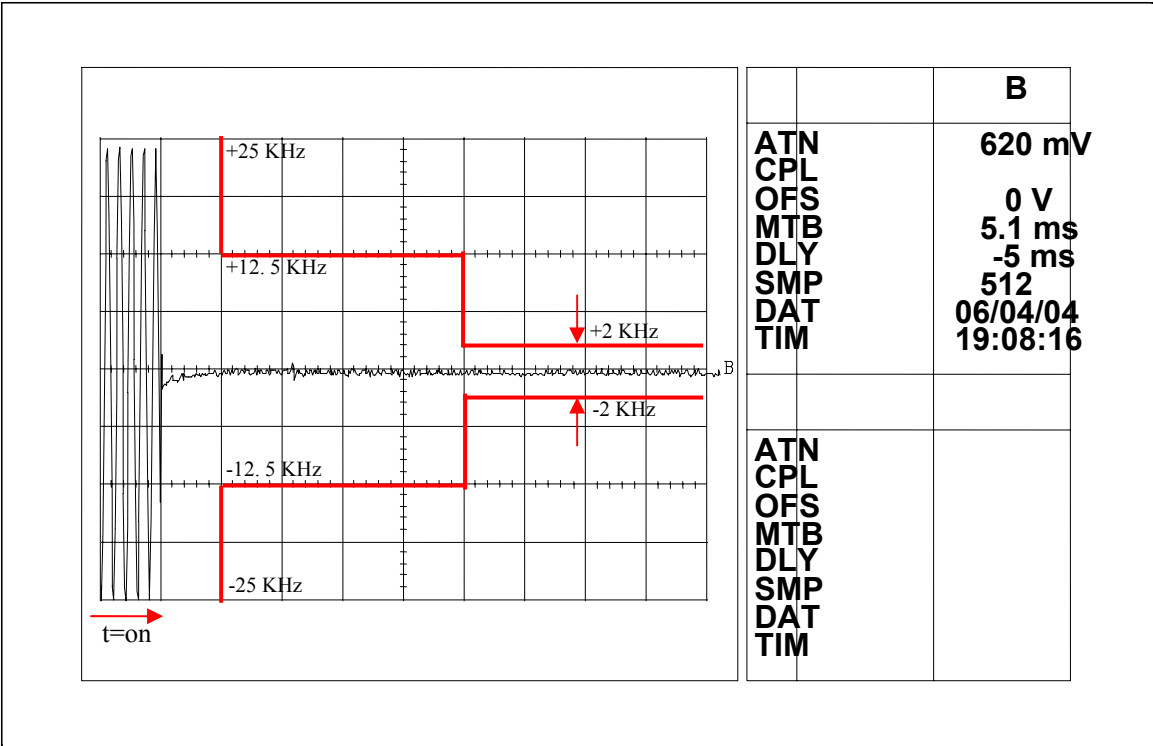


Figure 6I-3: 5.8 Watts, 25 KHz Key-Up Attack Time

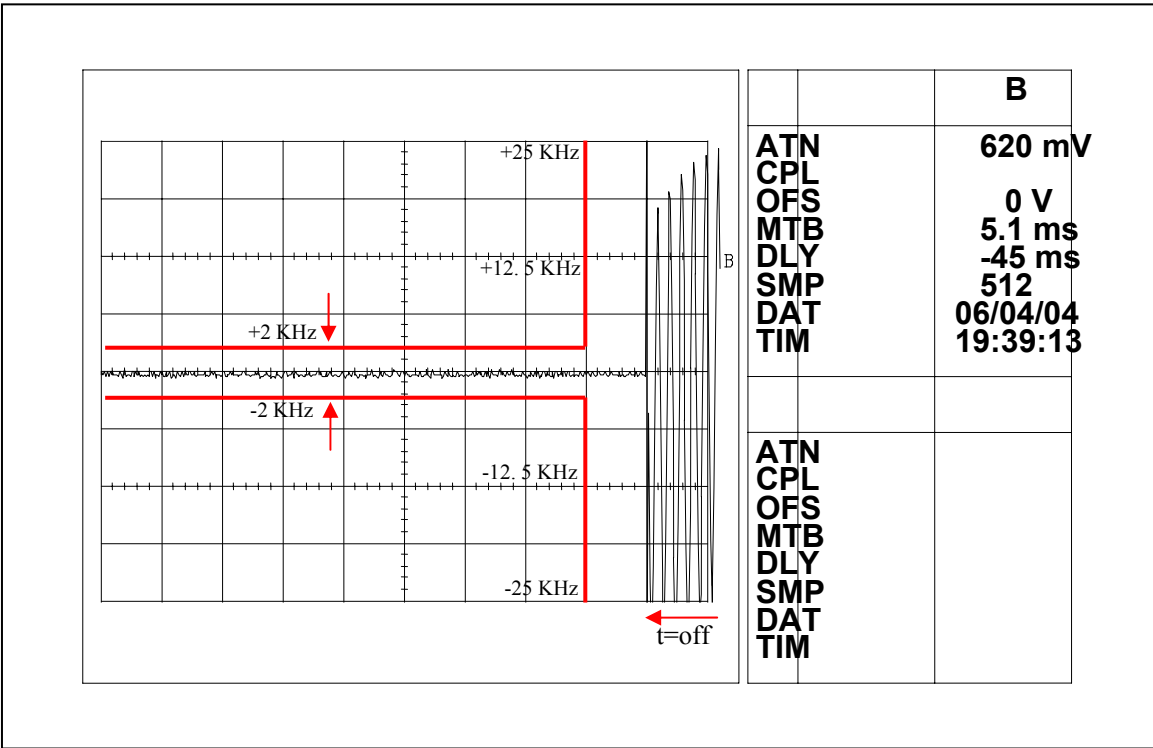


Figure 6I-4: 5.8 Watts, 25 KHz De-Key Decay Time

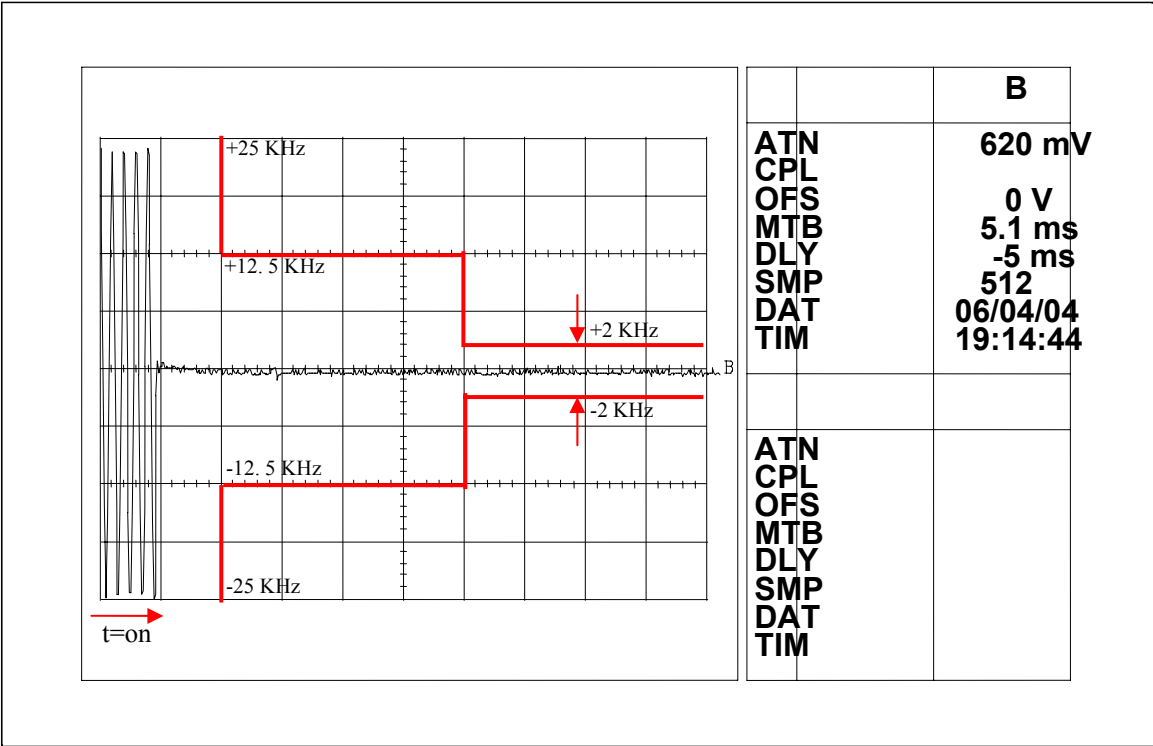


Figure 6I-5: 1 Watt, 12.5 KHz Key-Up Attack Time

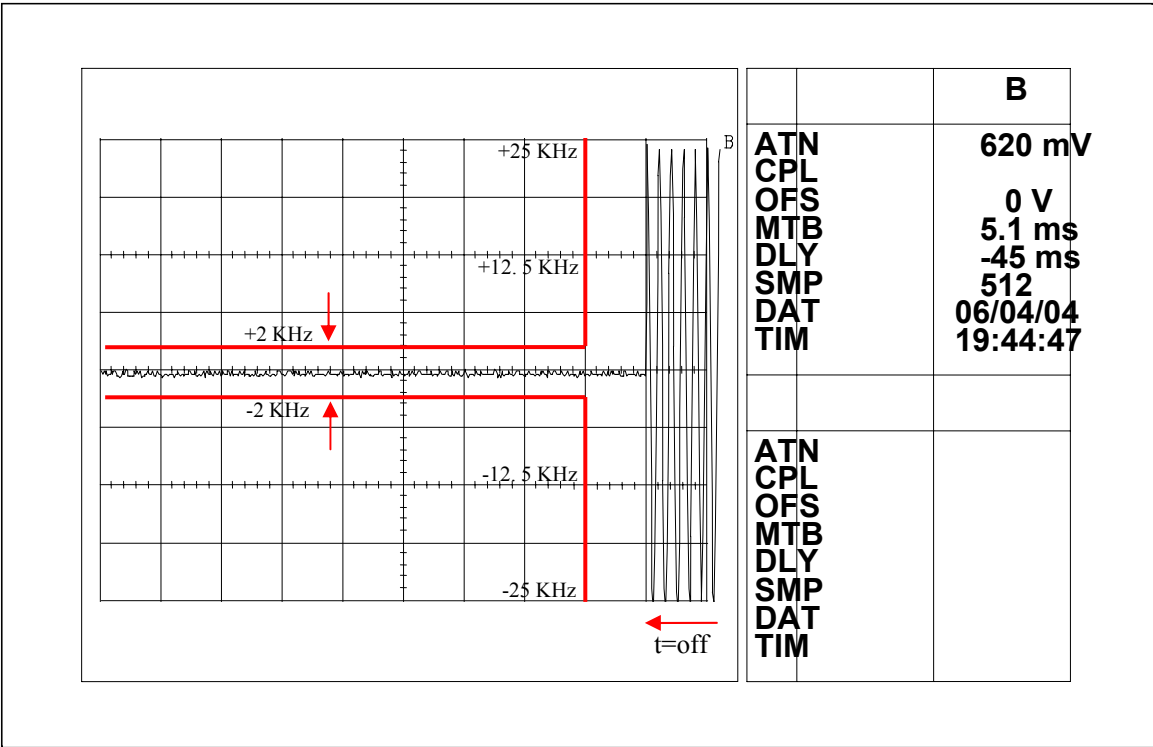


Figure 6I-6: 1 Watt, 12.5 KHz De-Key Decay Time

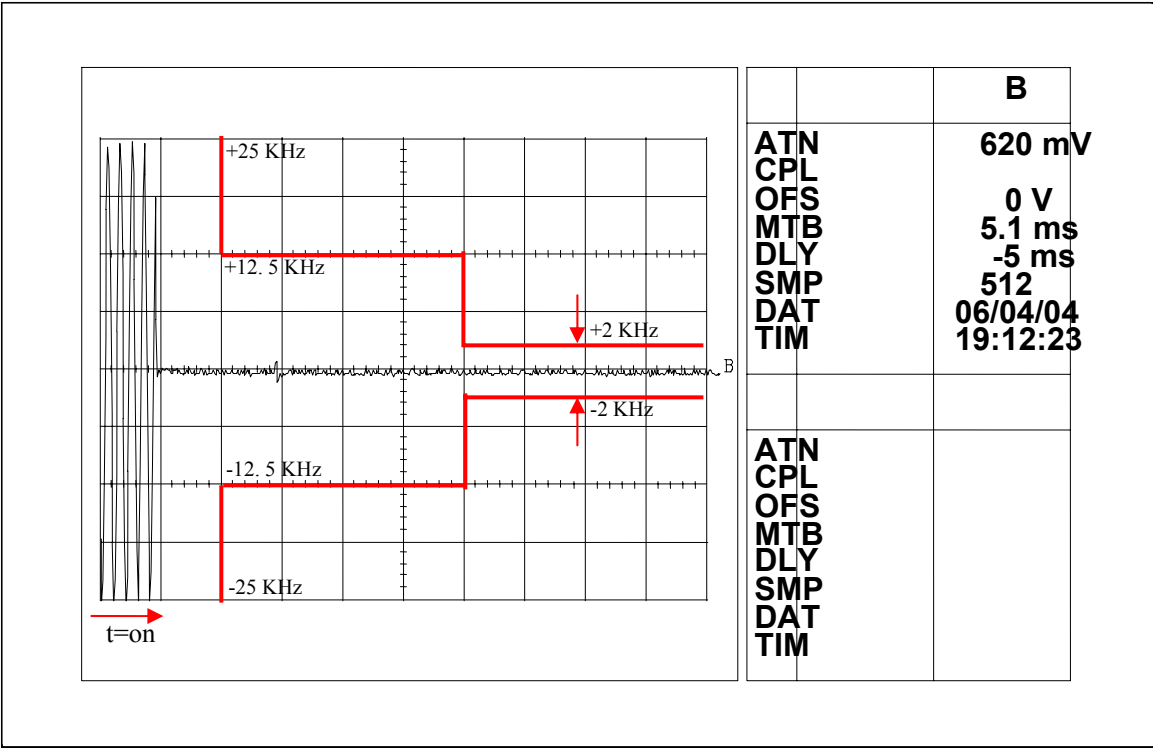


Figure 6I-7: 1 Watt, 25 KHz Key-Up Attack Time

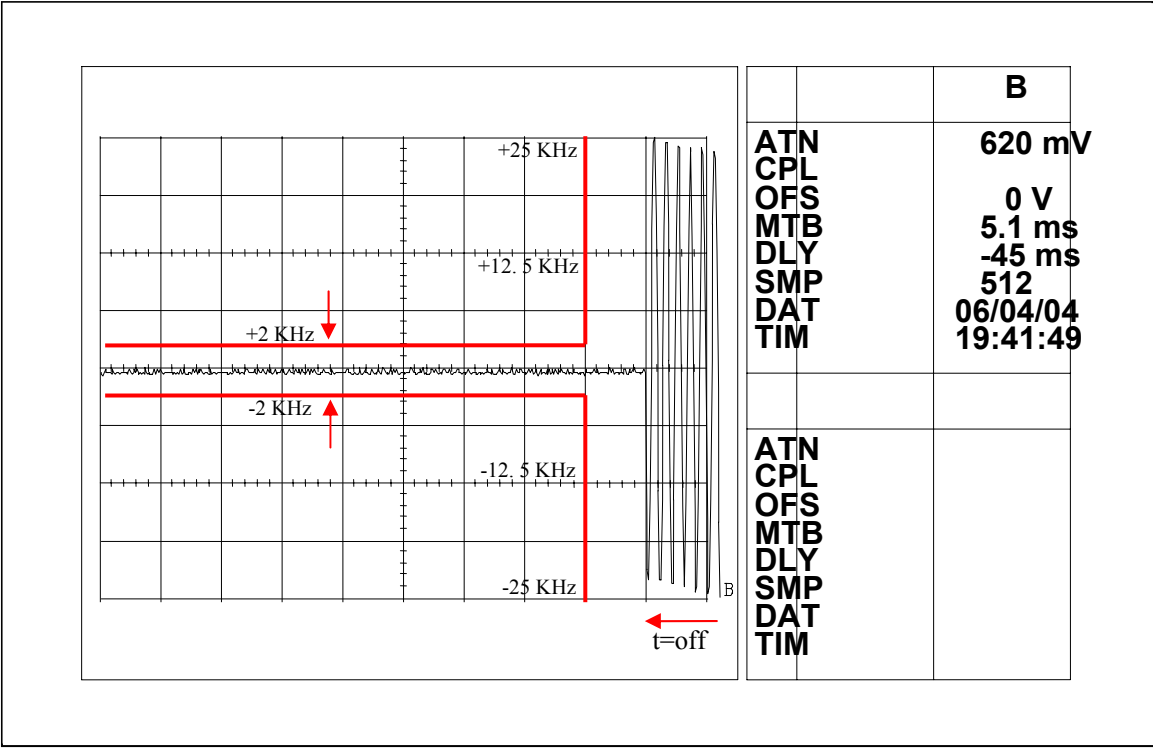


Figure 6I-8: 1 Watt, 25 KHz De-Key Decay Time